

描述

HR4988是一种便于使用的内部集成了译码器的微特 步进电机驱动器。其设计为能使双极步进电机以全、半、 1/4、1/8、1/16、1/32、1/64和1/128步进模式工作。步 进模式由逻辑输入MSx选择。输出驱动能力达到35V和 ±2A。HR4988包含一个工作在慢衰或混合衰减模式的固 定关闭时间的电流调节器。

译码器是HR4988易于实施的关键。通过STEP简单的 输入一个脉冲就可以使电机完成一次步进,省去了相序 表, 高频控制线及复杂的编程接口。这使其更适于在没 有复杂的微处理器或微处理器负担过重的场合。

在步进操作期间,HR4988的内部电路可以自动的控 制其PWM操作工作在快、慢及混合衰减模式。在混合衰减 模式下,器件初始经过一段时间的快衰减后,将切换至 慢衰减模式直至固定关闭时间结束。混合衰减模式控制 不但降低了电机工作时产生的噪声,还增加了步进的准 确性,同时减小了系统的功耗。

内部的同步整流控制电路改善了PWM操作时的功耗。 内部保护电路包括:带迟滞额过热保护、欠压锁定及过 流保护。不需要特别的上电时序。

HR4988目前提供两种贴片封装: 一是带有裸露焊盘 的QFN-28封装,另一种是带有裸露焊盘的TSSOP-28封装, 能有效改善散热性能,且是无铅产品,引脚框采用100% 无锡电镀。

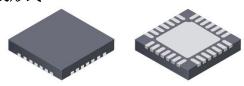
型号选择

Part Number	Package
HR4988sq	QFN28 with exposed thermal pad
HR4988мте	TSSOP28 with exposed thermal pad

特点

- ●低导通电阻R_{DS (ON)}
- ●自动检测并选择电流衰减模式
- 支持慢衰减和混合衰减模式
- ●降低功耗的同步整流功能
- ●内部欠压锁定
- ●过流保护
- ●兼容3.3V和5V逻辑电平
- ●过热关断电路
- ●对地短路保护
- ●负载短路保护
- ●八种步进模式,支持128细分

封装形式

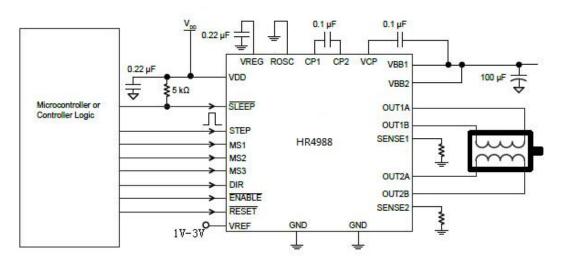


QFN28 with exposed thermal pad

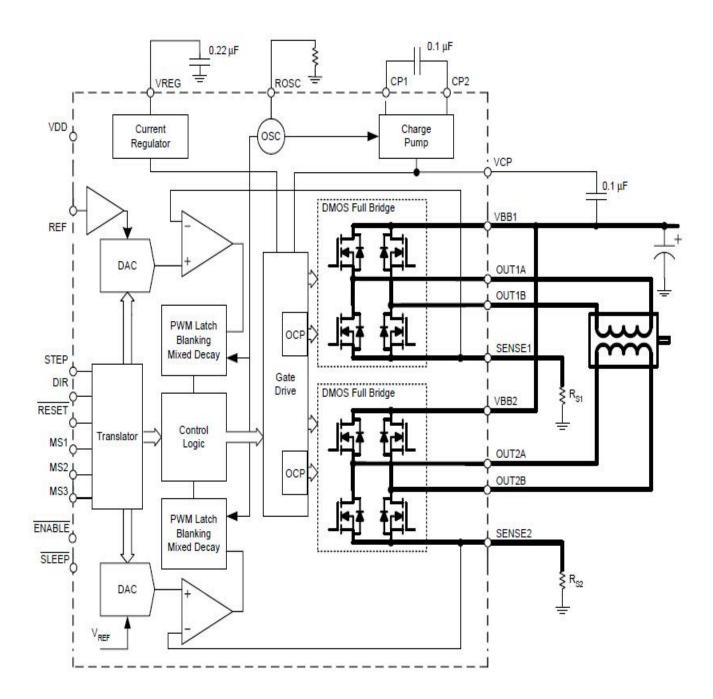


TSSOP28 with exposed thermal pad

Typical Application Diagram



Functional Block Diagram



注意:

为兼容 A4988, 正式量产 HR4988 与前期送样样品存在某些差异,还请试样客户谅解。差异如下:

1、细分

MS1	MS2	MS3	前期样品	正式产品	A4988
0	0	1	1/16	1/128	-
1	0	1	1/32	1/32	-
0	1	1	1/64	1/64	-
1	1	1	1/128	1/16	1/16

2、DIR 反向

正式产品 DIR 管脚内部加了反向器,所以与前期产品定义的方向相反。

电路工作极限 at Ta = 25 ℃

Parameter	Symbol	Conditions	Ratings	Unit
Load Supply Voltage	V_{BB}		35	V
Output Current	I _{OUT}		<u>+2</u>	A
Logic Input voltage	V _{IN}		-0.3 to 5.5	V
Logic Supply voltage	V_{DD}		-0.3 to 5.5	V
Motor Output Votage			-2.0 to 37	V
Sense Voltage	V _{SENSE}		-0.5 to 0.5	V
Reference Voltage	V_{REF}		5.5	V
Operating Ambient Temperature	T_{A}	Range S	-20 to 85	С
Maximum Junction	T _J (max)		150	С
Storage Temperature	T_{stg}		-55 to 150	С

推荐工作条件 at Ta = 25℃

		Min	NOM	Max	Unit
负载供电电压	VBB	8	-	35	V
逻辑供电电压	VCC	2.8	-	5.5	V
输出电流设置	IOUT	0		1.8	A

推荐外围设置

- 1、 ROSC: 建议直接接地,省去对地电阻空间。
- 2、 VREF 参考电压设置, 1V-3V。
- 3、 CP 电容: 0.1uF/50V
- 4、 VCP 电容: 0.1uF/50V
- 5、 VREG 电容: 0.22uF/16V
- **6、** RSENSE 电阻,根据 REF 和目标电流合理设置 $I_{\text{Trip MAX}} = \text{VREF} / (8 \times \text{Rs})$

电特性 ¹ at Ta = 25 °C, V_{BB}= 35 V

Parameter	Symbol	Conditions	Min	Typ ²	Max	Unit
Output Drivers	1				1	
Load Supply Voltage Range	V_{BB}	Operating	8	-	35	V
Logic Supply Voltage Range	V_{DD}	Operating	3.0	-	5.5	V
Output On Resistance	D	Source Driver,I _{OUT} =-1.5A		320	430	mΩ
	R _{DS(ON)}	Sink Driver, I _{OUT} =1.5A		320	430	mΩ
Body Diode Forward Voltage	N/	Source Diode,I _F =-1.5A			1.2	V
	V _F	Sink Diode, I _F =1.5A			1.2	V
Motor Supply Current	т	$f_{PWM} < 50 \text{kHz}$			4	mA
	I_{BB}	Operating, outputs disabled			2	mA
Logic Supply Current	т .	f _{PWM} <50kHz			8	mA
	I_{DD}	Operating,outputs disabled			5	mA
Control Logic	1		1		1	
Logic Input Voltage	V _{IN(1)}		V _{DD} *0.7			V
	V _{IN(0)}				V _{DD} *0.3	V
Logic Input Current	I _{IN(1)}	$V_{IN}=V_{DD}\times 0.7$	-20	<1.0	20	uA
	I _{IN(0)}	$V_{IN}=V_{DD}\times0.3$	-20	<1.0	20	uA
	R _{MS1}		-	100		kΩ
Microstep Select	R _{MS2}		-	50	-	kΩ
	R _{MS3}		-	100	-	kΩ
Logic Input Hysteresis	V _{HYS(IN)}	As a % of V _{DD}	5	11	19	%
Blank Time	t _{BLANK}		0.7	1	1.3	us
Fixed Off-Time	4	OSC=VDD or GND	20	30	40	us
	t _{OFF}	$R_{OSC}=25k\Omega$	23	30	37	us
Reference Input Voltage Range	V_{REF}		0.5	-	4	V
Reference Input Current	I_{REF}		-3	0	3	uA
Current Trip-Level Error ³		$V_{REF} = 2V, \%I_{TripMAX} = 38.27\%$	-	-	±15	%
	err _I	$V_{REF} = 2V, \%I_{TripMAX} = 70.71\%$	-	-	±5	%
		$V_{REF} = 2V, \%I_{TripMAX} = 100\%$	-	-	±5	%
Crossover Dead Time	t_{DT}		100	475	800	ns
Protection						
Overcurren Protection ⁴	I _{OCPST}		3	-	-	A
Thermal Shutdown	T_{TSD}		-	165	-	С
Thermal Shutdown Hysteresis	T _{TSDHYS}		-	15	-	\mathcal{C}
VDD Undervoltage Lockout	V _{DDUVLO}	V_{DD} rising	2.7	2.8	2.9	V
VDD Undervoltage Hysteresis	V_{DDUVLOH}		-	90	-	mV

¹对于输入/输出电流,我们将从指定器件引脚流出的电流定义为负电流。

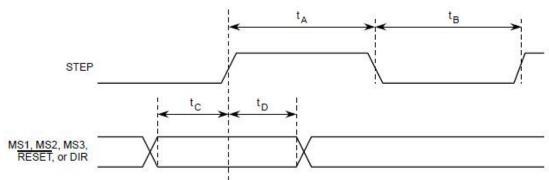
 $^{^2}$ 典型数据仅是在最佳制造和应用的假设条件下的数值,仅供初步设计概算使用。对于个体芯片,性能可能有所不同,在均在最大值和最小值间。

 $^{^{3}}V_{ERR} = [(V_{REF}/8) - V_{SENSE}] / (V_{REF}/8).$

⁴ 过流保护(OCP) 门限值是指在T_A=25 ℃下能够保证性能的值

电路控制信号时序上的要求:

 $(T_A = +25^{\circ}C, V_{DD} = 5 \text{ V}, 逻辑电平为V_{DD} 或 GND)$



Time Duration	Symbol	Тур.	Unit	
STEP minimum, HIGH pulse width	t _A	1	μs	
STEP minimum, LOW pulse width	t _B	1	μs	
Setup time, input change to STEP	tc	200	ns	
Hold time, input change to STEP	t _D	200	ns	

Figure 1: Logic Interface Timing Diagram

Table 1: Microstepping Resolution Truth Table

MS1	MS2	MS3	Microstep Resolution	Excitation Mode
L	L	L	Full Step	2 Phase
Н	L	L	Half Step	1-2 Phase
L	Н	L	Quarter Step	W1-2 Phase
Н	Н	L	1/8 Step	2W1-2 Phase
Н	Н	Н	1/16 Step	4W1-2 Phase
Н	L	Н	1/32 Step	8W1-2 Phase
L	Н	Н	1/64 Step	16W1-2 Phase
L	L	Н	1/128 Step	32W1-2 Phase

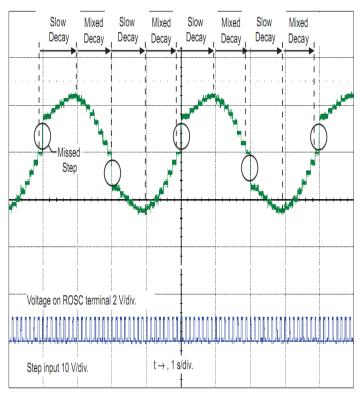


Figure 2. Missed steps in low-speed microstepping

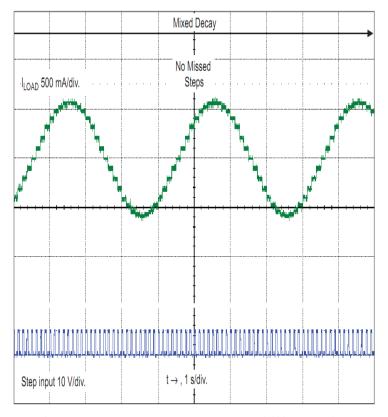


Figure 3. Continuous stepping using automatically-selected mixed stepping (ROSC pin grounded)

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模块功能描述

器件工作: HR4988是一种便于使用的内部集成了译码器的微特步进电机驱动器,只需少量的控制线。其设计能够让双极步进电机以全、半、1/4和1/8、1/16、1/32、1/64和1/128步进工作。每一个H桥都有一个有固定关闭时间的PWM电流控制电路,以限制其N沟道DMOS功率管的负载电流在一个设计值。每个步进的全桥输出电流是由外部检流电阻(RS1和RS2)的值,参考电压(VREF)和DAC(依次由译码器的输出控制)的输出电压来设定。

在上电或复位时,译码器将DAC和相电流的极性设为初始的Home状态(如图9~13所示),且两相的电流调节器均工作在混合衰减模式。当一个步进信号进入STEP端口,译码器自动将DAC排序进入下一电平和电流极性。(表2给出了电流台阶顺序)。微步细分精度由MS1、MS2和MS3输入组合确定,如表1所示。

当步进进行时,如果DAC的输出电平低于前一个输出电平,则当前的H全桥进入混合衰减模式。如果DAC输出电平高于或者等于前一个电平,则当前的H全桥进入慢衰减模式。自动的电流衰减选择通过减小电流波形失真改善了微步进性能,其产生原因是电机的反电动势。

微步进选择(MS1、MS2、MS3): 微步细分精度由 MS1、MS2 和 MS3 逻辑输入电压确定,如表 1 所示。MSx 均有下拉电阻。当改变步进模式时,直到下一个 STEP 的上升沿才起作用。

如果步进模式改变,而译码器没有复位,其绝对位置必须要保持。为了防止丢步,选择一个适用于所有步进模式的步进位置,再去改变步进模式,这点很重要。当器件断电或者由于过温重启或过流时,译码器被置于 home 位置,这是所有步进模式默认的共同位置。

混合衰减操作: 当上电复位后正常工作时,根据 ROSC 的配置和步进顺序,H 桥工作于混合衰减模式,如图 8~11 所示。在混合衰减期间,当达到预定值时,HR4988 初始进入快衰模式,快衰减时间占固定关闭时间 toff 的 31.25%。其后转为慢衰减直至固定关闭时间结束。时序框图在图 7 中呈现。

一般混合衰减只是在绕组中的电流从一个高的 值变为一个低的值时需要,由译码器的设置决定。对 大多数负载来说,混合衰减模式的自动选择很便利, 因为能够减小电流上升时的纹波和防止电流下降时的丢步。特别是在一些非常低速的微步进应用中十分必要,绕组中反电动势的不足造成负载中的电流增加很快,导致丢步。如图 2 所示。通过将 ROSC 管脚接地,混合衰减在 100%的时间内起作用,无论电流上升或者下降,同时防止丢步,如图 3 所示。如果不存在丢步问题,也推荐使用自动选择混合衰减模式,因为其会减小电流纹波。详细描述请参考固定关闭时间一节。

低电流微步进: 在某些应用中,过短的导通时间使得输出电流无法调节到程序设定的低电流水平。为了防止这种现象,器件可以在电流波形的上升和下降两个方向都工作在混合衰减模式。这是通过将ROSC管脚接地实现的。

复位输入(nRESET): RESET 输入(低电平有效)使得 TRANSLATOR 恢复初始状态(如图 9 \sim 13 所示),关断所有 DMOS 输出,此时 STEP 输入无效,直到 RESET 重新变为高电平为止。

STEP 输入: STEP 信号上升沿触发有效,通过TRANSLATOR 控制,每个STEP 上升沿触发使得电机有一个步进的变化。TRANSLATOR 控制 DAC 的输入和流过线圈的电流方向;每一步进的电流大小和转动角度由MS1、MS2和MS3输入逻辑电平控制。

方向控制(DIR): DIR 输入控制马达的转动方向,在STEP信号上升沿触发到来之前,任何DIR上的变动都对电路不产生影响;

内部 PWM 电流控制:每一个 H 桥都有一个有固定关闭时间的 PWM 电流控制电路,以限制其负载电流在一个设计值, ITRIP。初始时,对角线上的一对 DMOS(一对上下桥臂)处于输出状态,电流流经电机绕组和 SENSE 脚所接的电流取样电阻, Rsx。当取样电阻上的电压等于 DAC 的输出电压时,电流取样比较器将 PWM 锁存器锁定,从而关断源驱动器(上桥臂),进入慢衰减模式;或同时关断源驱动器和灌流驱动器(上下桥臂)进入快或混合衰减模式,使产生环流或电流回流至源端。该环流或回流将持续衰减至固定关闭时间结束为止。然后,正确的输出桥臂被再次启动,电机绕组电流再次增加,整个 PWM 循环完成。其中,最大限流是由取样电阻 RSx 和电流取样比较器的输入

电平 VREF 控制的, I_{TripMAX} (A) 由下式决定:

 $I_{\text{Trip MAX}} = VREF / (8 \times Rs)$

每步的实际电流为最大电流的百分比,近似为:

 $I_{\text{Ttip}} = (\%I_{\text{Ttip Max}}/100) I_{\text{Trip Max}}$

(表 2 给出了每步的最大电流百分比) 注意: SENSE 脚上的最大电压不能超过 0.5V。

固定关闭时间 t_{off}: 内部 PWM 控制电路是利用单触发电路来控制 DMOS 的剩余关闭时间。固定关闭时间 t_{off} 是由 ROSC 引脚决定的。ROSC 引脚有三种设置,即:

- ●ROSC接VDD一关闭时间内部设为30us,自动选择混合衰减模式,除了全步模式下为慢衰减模式。
- ●ROSC 接地一关闭时间初始设为 30us,对所有模式的电流上升和下降步进,衰减模式自动选择为混合衰减模式。 建议直接使用此方法设计外围电路。
- ●ROSC 接对地的电阻一关闭时间由下面的公式决定,自动选择为混合衰减模式,除了全步模式下为慢衰减模式。

 $t_{OFF} \cong R_{OSC}/825$

toff单位为us。

消隐(Blanking): 当输出在内部电流控制电路作用下开关时,该功能屏蔽电流检测比较器的输出,防止由于钳位二极管反向恢复电流,以及负载电容的开关瞬态电流导致的错误的过流检测。消隐时间,tblank(us),近似为1us。

电荷泵 (CP1 和 CP2): 电荷泵用来生成一个高于 VBB 的电压, 去驱动源 DMOS 的栅极。一个 0.1uF 的陶瓷电容接在 CP1、CP2 之间, 实现电荷泵 的目的。一个 0.1uF 陶瓷电容接在 VCP、VBB 之间, 用来存储电荷, 去驱动源 DMOS 器件。

电容值需为Class2介质,±15%最大波动或者耐压R级,根据EIA。

VREG: 电路内部产生的基准电压,用于低端门级驱动的 DMOS 电源。正常工作时,VREG 电压为5.5V。VREG 外部必须通过一个

0.22uF 电容耦合到地。VREG 作为内部电路的一个监视器,当内部 VREG 没有正常工作时,DMOS 器件输出被禁止。

使能输入(nENABLE):该输入控制所有FET输出的开关。当其为逻辑高电平时,输出关断。当其为逻辑低电平时,内部控制使能起作用。译码器输入STEP,DIR,MS1、MS2和MS3,以及内部时序逻辑,全部有效,独立于nENABLE输入。

SHUTDOWN 关断: 当电路发生过温保护或者发生 VCP 的欠压闭锁时,SHUTDOWN 功能正常工作,此时电路的正常功能被禁止,直到电路脱离 SHUTDOWN 条件。在电路上电过程中,VDD 电压还没有达到电压阈值时,VDD 的欠压闭锁电路使输出 DMOS电路全部关断,输出被设置为 HOME 状态。

休眠模式(nSLEEP): 当 SLEEP 引脚输入为低电平时,器件将进入休眠模式,从而大大降低器件空闲的功耗。进入休眠模式后器件的大部分内部电路包括 DMOS 输出电路、调节器及电荷泵等都将停止工作。当其输入翻转为高电平时,系统恢复到正常的操作状态并将器件的输出预置到 HOME 状态,为了内部电荷泵恢复稳定工作,在 SLEEP 恢复高电平并延时1ms 后 STEP 信号才能起作用。

混合衰减操作: 当上电复位后正常工作时,根据 ROSC 的配置和步进顺序,H 桥工作于混合衰减模式,如图 9~13 所示。在混合衰减期间,当达到预定值时,HR4988 初始进入快衰模式,快衰减时间占固定关闭时间 toff 的 31.25%。其后转为慢衰直至固定关闭时间结束。时序框图在下页图中呈现。

同步整流: 在电流衰减期间,同步整流功能打开对应的 FET 由于 FET 的导通电阻低,有效的使体二极管短路。这样有效的降低了功耗,同时,在很多应用场合,省去了外置肖特基二极管。当负载电流接近0时,同步整流关闭,这样防止负载电流反向。

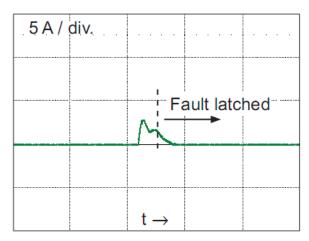


Figure 4. Short-to-ground event

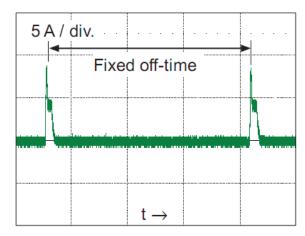


Figure 5. Shorted load (OUTxA \rightarrow OUTxB) in Slow decay mode

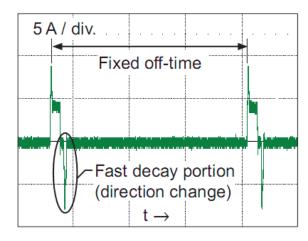


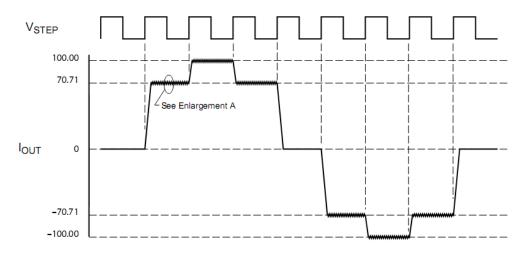
Figure 6. Shorted load (OUTxA → OUTxB) in Mixed decay mode

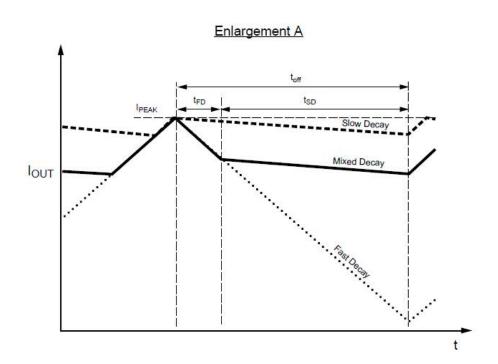
输出短路和对地短路保护:如果两电机输出管脚短接或者任一输出管脚对地短路,驱动器会通过检测这一过流事件,然后禁能短路的输出,这样事器件免于烧毁。当对地短路发生时,驱动器会一直保持禁能,直到 SLEEP 进入高电平或者 VDD 被去除。图 4 为对地短路过流现象。

当两个输出短接在一起,电流通路经过检测电阻,经过一个消隐时间(约 1us),由于过流现象存在,检测电阻端电压会超过最大电压。这样会使驱动器进入固定衰减模式。经过一个固定关闭时间后,器件又会重新开始

保护。在这种情况下,器件的过流现象就会被彻底保护,但是短路还是会重复出现的,依据固定关闭周期。图 5表明了这种情况。

当负载短路发生时,由于混合衰减的作用,在电流换向的时候,很容易观察到一个正向或者反向的尖峰电流。 图 6 显示了这种情况。在这两种情况下,过流保护电路保护驱动器免于受烧毁。





Symbol	Characteristic
t _{off}	Device fixed off-time
I _{PEAK}	Maximum output current
t _{SD}	Slow decay interval
t _{FD}	Fast decay interval
lout	Device output current

Figure 7: Current Decay Modes Timing Chart

电路应用信息

版图注意事项: PCB 板上应覆设大块的散热片,地线的连接应有很宽的地线覆线。为了优化电路的电特性和热参数性能,芯片应该直接紧贴在散热片上。

对电极电源 VBB,应该连接不小于 47uF 的电解电容对地耦合,电容应尽可能的靠近器件摆放。

为了避免因高速 dv/dt 变换引起的电容耦合问题,驱动电路输出端电路覆线应远离逻辑控制输入端的覆线。逻辑控制端的引线应采用低阻抗的走线以降低热阻引起的噪声。

地线设置: AGND 和 PGND 的连线必须在芯片外部短接。所有的地线都应连接在一起,且连线还应改尽可能的短。一个位于器件下的星状发散的地线覆设,将是一个优化的设计。

在覆设的地线下方增加一个铜散热片会更好的优化电路性能。

电流取样设置: 为了减小因为地线上的寄生电阻引起的误差,马达电流的取样电阻 RS 接地的地线要单独设置,减小其他因素引起的误差。单独的地线最终要连接到星状分布的地线总线上,该连线要尽可能的短,对小阻值的 Rs,由于 Rs 上的压降 V=I*Rs 小于 0.5V,PCB 上的连线压降与 0.5V 的 电压将显得不可忽视,这一点要考虑进去。

PCB 尽量避免使用测试转接插座,测试插座的连接电阻可能会改变 Rs 的大小,对电路造成误差。Rs 值的选择遵循下列公式:

 $R_S = 0.5/I_{TRIP\ max}$

热保护: 当内部电路结温超过 165 °C时,过温模块开始工作,关断内部多有驱动电路。过温保护电路只保护电路温度过高产生的问题,而不应对输出短路的情况产生影响。热关断的阈值窗口大小为 15 °C。

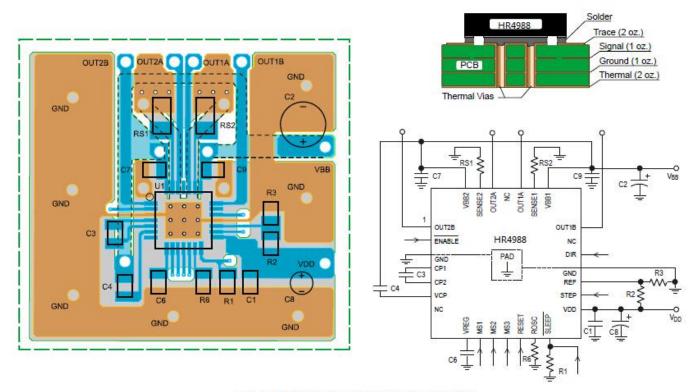
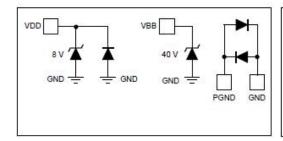
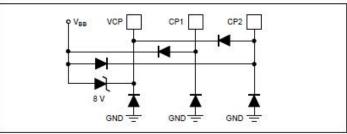
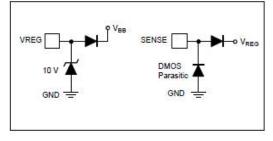


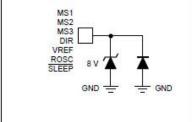
Figure 8: Typical Application and Circuit Layout

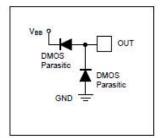
Pin Circuit Diagrams











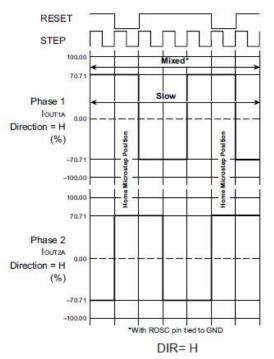


Figure 9: Decay Mode for Full-Step Increments

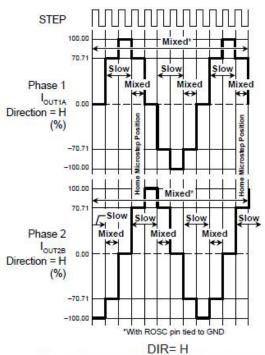


Figure 10: Decay Modes for Half-Step Increments

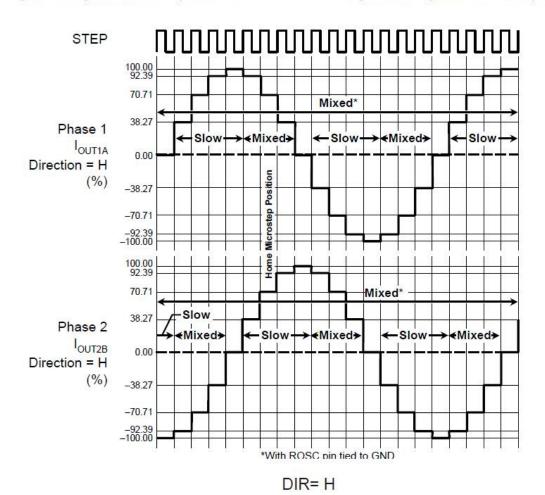


Figure 11: Decay Modes for Quarter-Step Increments

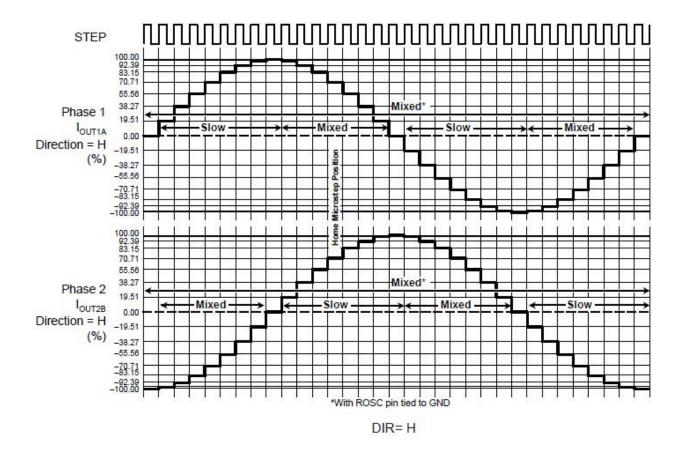


Figure 12: Decay Modes for Eighth-Step Increments

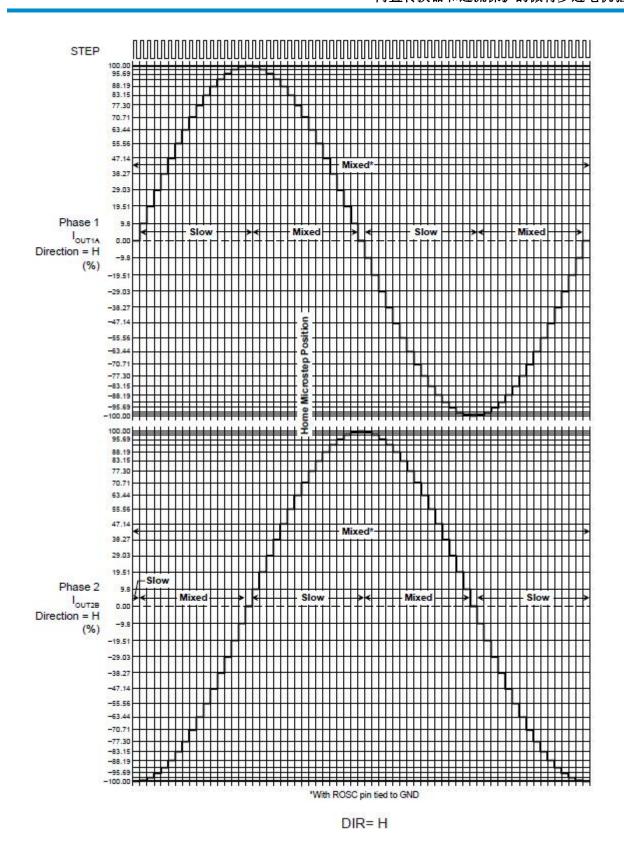


Figure 13: Decay Modes for Sixteenth-Step Increments

Table 2: Step Sequencing Settings

Home microstep position at Step Angle 45 °, DIR = H

1/128	1/64	1/32	1/16	1/8	1/4	1/2	full	Phase 1 Current	Phase 2 Current	Step Angle
								[%ItripMax] (%)	[% ItripMax] (%)	(°)
1	1	1	1	1	1	1		100.0	0.0	0.00
2								100.0	1.2	0.70
3	2							100.0	2.5	1.41
4								99.9	3.7	2.11
5	3	2						99.9	4.9	2.81
6								99.8	6.1	3.52
7	4							99.7	7.4	4.22
8								99.6	8.6	4.92
9	5	3	2					99.5	9.8	5.63
10								99.4	11.0	6.33
11	6							99.2	12.2	7.03
12								99.1	13.5	7.73
13	7	4						98.9	14.7	8.44
14								98.7	15.9	9.14
15	8							98.5	17.1	9.84
16								98.3	18.3	10.55
17	9	5	3	2				98.1	19.5	11.25
18								97.8	20.7	11.95
19	10							97.6	21.9	12.66
20								97.3	23.1	13.36
21	11	6						97.0	24.3	14.06
22								96.7	25.5	14.77
23	12							96.4	26.7	15.47
24								96.0	27.9	16.17
25	13	7	4					95.7	29.0	16.88
26								95.3	30.2	17.58
27	14							95.0	31.4	18.28
28								94.6	32.5	18.98
29	15	8						94.2	33.7	19.69
30								93.7	34.8	20.39
31	16							93.3	36.0	21.09
32								92.9	37.1	21.80
33	17	9	5	3	2			92.4	38.3	22.50
34								91.9	39.4	23.20
35	18							91.4	40.5	23.91
36								90.9	41.6	24.61
37	19	10						90.4	42.8	25.31
38								89.9	43.9	26.02
39	20							89.3	45.0	26.72

								7,7,	MAY TOURNEY HIN	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
40								88.8	46.1	27.42
41	21	11	6					88.2	47.1	28.13
42								87.6	48.2	28.83
43	22							87.0	49.3	29.53
44								86.4	50.4	30.23
45	23	12						85.8	51.4	30.94
46								85.1	52.5	31.64
47	24							84.5	53.5	32.34
48								83.8	54.5	33.05
49	25	13	7	4				83.1	55.6	33.75
50								82.5	56.6	34.45
51	26							81.8	57.6	35.16
52								81.0	58.6	35.86
53	27	14						80.3	59.6	36.56
54								79.6	60.6	37.27
55	28							78.8	61.5	37.97
56								78.1	62.5	38.67
57	29	15	8					77.3	63.4	39.38
58								76.5	64.4	40.08
59	30							75.7	65.3	40.78
60								74.9	66.2	41.48
61	31	16						74.1	67.2	42.19
62								73.3	68.1	42.89
63	32							72.4	69.0	43.59
64								71.6	69.8	44.30
65	33	17	9	5	3	2	1	70.7	70.7	45.00
66								69.8	71.6	45.70
67	34							69.0	72.4	46.41
68								68.1	73.3	47.11
69	35	18						67.2	74.1	47.81
70								66.2	74.9	48.52
71	36							65.3	75.7	49.22
72								64.4	76.5	49.92
73	37	19	10					63.4	77.3	50.63
74								62.5	78.1	51.33
75	38							61.5	78.8	52.03
76								60.6	79.6	52.73
77	39	20						59.6	80.3	53.44
78								58.6	81.0	54.14
79	40							57.6	81.8	54.84
80								56.6	82.5	55.55
81	41	21	11	6				55.6	83.1	56.25
82								54.5	83.8	56.95
83	42							53.5	84.5	57.66

84 88 43 22 55.5 85.1 58.8 59.06 86 50.4 86.4 59.77 87.0 60.47 87 44 49.3 87.0 60.47 88 45 23 12 47.1 88.2 61.88 90 46 46.1 88.8 62.58 91 46 45.0 89.3 63.28 92 43.9 89.9 63.98 93 47 24 42.8 90.4 64.69 94 41.6 90.9 65.39 9.9 65.39 95 48 40.5 91.4 66.09 96.0 99.9 50.0 30.4 91.9 66.80 97.4 49.25 13.7 4 38.3 92.4 67.50 98.0 99.5 36.0 93.3 68.91 99.9 50.0 36.0 93.3 68.91 90.0 73.3 76.61 70.0 70.1 70.0									
86 44 48 49.3 87.0 60.47 87 44 49.3 87.0 60.47 88 48.2 87.6 61.17 89 45 23 12 47.1 88.2 61.88 90 46.1 88.8 62.58 62.58 91 46 45.0 89.3 63.28 92 43.9 89.9 63.98 93 47 24 42.8 90.4 64.69 94 41.6 90.9 65.39 65.39 95 48 40.5 91.4 66.09 96 39.4 91.9 66.80 97.49 25.13 7.4 38.3 92.4 67.50 98 37.1 92.9 68.20 99.9 50.0 36.0 93.3 68.20 99 50 36.0 93.3 69.61 70.31 70.2 70.31 100 34.8 93.7 6	84						52.5	85.1	58.36
87 44 48 49.3 87.0 60.47 88 48 48.2 87.6 61.17 89 45 23 12 47.1 88.2 61.88 90 46.1 88.8 62.58 99.3 63.28 63.28 92 43.9 89.9 63.98 63.98 63.98 63.98 63.98 63.98 63.98 63.98 63.98 63.98 63.98 63.98 63.98 63.99 63.99 63.99 65.39 95 48 90.4 64.69 94 64.69 99.9 65.39 91.4 66.09 66.09 99.9 50 91.4 66.09 66.09 99.9 50 91.4 66.09 99.9 50 91.4 66.09 99.9 50 91.4 66.09 99.9 82.0 99.9 50 91.4 66.09 99.9 88.0 37.1 92.9 68.20 99.3 36.0 93.3 68.91 100.1	85	43	22				51.4	85.8	59.06
88 45 23 12 47.1 88.2 61.88 90 46.1 88.8 62.58 91 46 88.8 62.58 92 43.9 89.9 63.98 93 47 24 42.8 90.4 64.69 94 41.6 90.9 65.39 66.80 95 48 40.5 91.4 66.09 96 39.4 91.9 66.80 98 37.1 92.9 68.20 99 50 36.0 93.3 68.91 100 34.8 93.7 69.61 101 51 26 33.7 94.2 70.31 102 32.5 94.4 70.31 71.02 103 52 31.4 95.0 71.72 104 30.2 95.3 72.42 105 53 27 14 29.0 95.7 73.13 106	86						50.4	86.4	59.77
89 45 23 12 47.1 88.2 61.88 90 46 46.1 88.8 62.58 91 46 45.0 89.3 63.28 92 43.9 89.9 63.98 93 47 24 42.8 90.4 64.69 94 41.6 90.9 65.39 95 48 40.5 91.4 66.09 96 39.4 91.9 66.80 97 49 25 13 7 4 38.3 92.4 67.50 98 37.1 92.9 68.20 99.9 50 36.0 93.3 68.91 100 34.8 93.7 69.61 70.31 70.2 70.31 102 32.5 94.6 71.02 70.31 70.2 70.31 102 32.5 94.6 71.02 70.31 70.2 70.31 70.2 70.31 70.2 70.31	87	44					49.3	87.0	60.47
90 46 46.1 88.8 62.58 91 46 45.0 89.3 63.28 92 43.9 89.9 63.98 93 47 24 42.8 90.4 64.69 94 41.6 90.9 65.39 99.9 65.39 95 48 40.5 91.4 66.09 96 39.4 91.9 66.80 97 49 25 13 7 4 38.3 92.4 67.50 98 37.1 92.9 68.20 99.3 68.91 100 34.8 93.7 69.61 101 51 26 33.7 94.2 70.31 102 32.5 94.6 71.02 103 52 31.4 95.0 71.72 104 30.2 95.3 72.42 105 53 27 14 29.0 95.7 73.13 100 73.83 106 73.83 106 <td>88</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>48.2</td> <td>87.6</td> <td>61.17</td>	88						48.2	87.6	61.17
91 46 46 45.0 89.3 63.28 92 43.9 89.9 63.98 93 47 24 42.8 90.4 64.69 94 41.6 90.9 65.39 95 48 40.5 91.4 66.09 96 39.4 91.9 66.80 97 49 25 13 7 4 38.3 92.4 67.50 98 37.1 92.9 68.20 99 50 36.0 93.3 68.91 100 34.8 93.7 69.61 70.31 92.9 68.20 101 51 26 33.7 94.2 70.31 70.32 70.31 70.32 70.31	89	45	23	12			47.1	88.2	61.88
92 47 24 43.9 89.9 63.98 93 47 24 42.8 90.4 64.69 94 41.6 90.9 65.39 95 48 40.5 91.4 66.09 96 39.4 91.9 66.80 97 49 25 13 7 4 38.3 92.4 67.50 98 37.1 92.9 68.20 99.50 36.0 93.3 68.91 100 34.8 93.7 69.61 70.31 94.2 70.31 102 32.5 94.6 71.02 71.72 70.31 71.72 104 30.2 95.3 72.42 70.31 71.72 70.4 71.72 95.0 71.72 70.31 70.72 70.31 70.72 70.31 70.72 70.31 70.72 70.31 70.72 70.73 70.74 70.73 70.6 77.73 70.74 70.74 70.74 70.74	90						46.1	88.8	62.58
93 47 24 42.8 90.4 64.69 94 41.6 90.9 65.39 95 48 40.5 91.4 66.09 96 39.4 91.9 66.80 97 49 25 13 7 4 38.3 92.4 67.50 98 37.1 92.9 68.20 99.33 68.91 100 34.8 93.7 69.61 70.31 92.9 68.20 100 34.8 93.7 69.61 70.31 94.2 70.31 70.21 70.31 70.2 70.31 70.2 70.31 70.2 70.31 70.2 70.31 70.2 70.31 70.2 70.31 70.2 70.31 70.2 70.31 70.2 70.31 70.2 70.31 70.2 70.31 70.2 70.31 70.2 70.31 70.2 70.31 70.2 70.31 70.2 70.3 70.4 70.2 70.3 70.4 <td< td=""><td>91</td><td>46</td><td></td><td></td><td></td><td></td><td>45.0</td><td>89.3</td><td>63.28</td></td<>	91	46					45.0	89.3	63.28
94 48 41.6 90.9 65.39 95 48 40.5 91.4 66.09 96 39.4 91.9 66.80 97 49 25 13 7 4 38.3 92.4 67.50 98 37.1 92.9 68.20 99.3 68.91 100 36.0 93.3 68.91 100 34.8 93.7 69.61 101 51 26 33.7 94.2 70.31 102 103 52 70.31 102 103 52 71.02 103 52 71.72 104 95.0 71.72 104 30.2 95.3 72.42 105 53 27 14 29.0 95.7 73.13 106 73.83 107 54 26.7 96.4 74.53 108 25.5 96.7 75.23 109 55 28 24.3 97.0 75.94 110 23.1 97.3 76.64	92						43.9	89.9	63.98
95 48 40.5 91.4 66.09 96 39.4 91.9 66.80 97 49 25 13 7 4 38.3 92.4 67.50 98 37.1 92.9 68.20 99 50 36.0 93.3 68.91 100 34.8 93.7 69.61 93.7 69.61 99.7 49.2 70.31 102 32.5 94.6 71.02 70.31 71.02 70.31 71.02 70.31 71.02 70.31 71.02 70.31 71.02 70.31 71.02 70.31 71.02 71.02 70.31 71.02 71.02 71.02 71.02 71.02 71.02 71.02 71.02 71.72 70.01 71.72 70.01 71.72 70.01 71.72 70.01 71.72 70.01 71.72 70.01 71.72 70.01 71.72 70.01 71.72 70.01 71.72 70.01 71.72 70.01 71.72 <td>93</td> <td>47</td> <td>24</td> <td></td> <td></td> <td></td> <td>42.8</td> <td>90.4</td> <td>64.69</td>	93	47	24				42.8	90.4	64.69
96 39.4 91.9 66.80 97 49 25 13 7 4 38.3 92.4 67.50 98 37.1 92.9 68.20 99 50 36.0 93.3 68.91 100 34.8 93.7 69.61 69.62 70.31 69.61 69.61 69.62 71.72 69.62 73.83 72.42 70.31 70.62 70.72 70.73 70.60 73.83 10.72 70.73 70.60 70.73 70.64 70.73 70.64 70.73 <td>94</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>41.6</td> <td>90.9</td> <td>65.39</td>	94						41.6	90.9	65.39
97 49 25 13 7 4 38.3 92.4 67.50 98 37.1 92.9 68.20 99 50 36.0 93.3 68.91 100 34.8 93.7 69.61 101 51 26 33.7 94.2 70.31 102 32.5 94.6 71.02 71.72 104 30.2 95.3 72.42 105 53 27 14 29.0 95.7 73.13 106 27.9 96.0 73.83 72.42 107 54 26.7 96.4 74.53 108 25.5 96.7 75.23 109 55 28 24.3 97.0 75.94 110 23.1 97.3 76.64 111 56 21.9 97.6 77.34 112 20.7 97.8 78.05 113 57 29 15	95	48					40.5	91.4	66.09
98 37.1 92.9 68.20 99 50 36.0 93.3 68.91 100 34.8 93.7 69.61 101 51 26 33.7 94.2 70.31 102 32.5 94.6 71.02 103 52 31.4 95.0 71.72 104 30.2 95.3 72.42 105 53 27 14 29.0 95.7 73.13 106 27.9 96.0 73.83 72.42 108 25.5 96.7 75.23 109 55 28 24.3 97.0 75.94 110 23.1 97.3 76.64 111 56 21.9 97.6 77.34 112 20.7 97.8 78.05 113 57 29 15 8 19.5 98.1 78.75 114 18.3 98.3 79.45 11.6 15.9 <td>96</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>39.4</td> <td>91.9</td> <td>66.80</td>	96						39.4	91.9	66.80
99 50 36.0 93.3 68.91 100 34.8 93.7 69.61 101 51 26 33.7 94.2 70.31 102 32.5 94.6 71.02 103 52 31.4 95.0 71.72 104 30.2 95.3 72.42 105 53 27 14 29.0 95.7 73.13 106 27.9 96.0 73.83 72.42 108 26.7 96.4 74.53 108 25.5 96.7 75.23 109 55 28 24.3 97.0 75.94 110 23.1 97.3 76.64 111 56 21.9 97.6 77.34 112 20.7 97.8 78.05 113 57 29 15 8 19.5 98.1 78.75 114 18.3 98.3 79.45 11.0 98.9 <td>97</td> <td>49</td> <td>25</td> <td>13</td> <td>7</td> <td>4</td> <td>38.3</td> <td>92.4</td> <td>67.50</td>	97	49	25	13	7	4	38.3	92.4	67.50
100 34.8 93.7 69.61 101 51 26 33.7 94.2 70.31 102 32.5 94.6 71.02 103 52 31.4 95.0 71.72 104 30.2 95.3 72.42 105 53 27 14 29.0 95.7 73.13 106 27.9 96.0 73.83 107 54 26.7 96.4 74.53 108 25.5 96.7 75.23 109 55 28 24.3 97.0 75.94 110 23.1 97.3 76.64 111 56 21.9 97.6 77.34 112 20.7 97.8 78.05 113 57 29 15 8 19.5 98.1 78.75 114 18.3 98.3 79.45 115 58 17.1 98.5 80.16 115 58 17.1 98.5 80.16 <td< td=""><td>98</td><td></td><td></td><td></td><td></td><td></td><td>37.1</td><td>92.9</td><td>68.20</td></td<>	98						37.1	92.9	68.20
101 51 26 33.7 94.2 70.31 102 32.5 94.6 71.02 103 52 31.4 95.0 71.72 104 30.2 95.3 72.42 105 53 27 14 29.0 95.7 73.13 106 27.9 96.0 73.83 107 54 26.7 96.4 74.53 108 25.5 96.7 75.23 109 55 28 24.3 97.0 75.94 110 23.1 97.3 76.64 111 56 21.9 97.6 77.34 112 20.7 97.8 78.05 113 57 29 15 8 19.5 98.1 78.75 114 18.3 98.3 79.45 115 58 17.1 98.5 80.16 115 58 17.1 98.5 80.16 116 15.9	99	50					36.0	93.3	68.91
102 32.5 94.6 71.02 103 52 31.4 95.0 71.72 104 30.2 95.3 72.42 105 53 27 14 29.0 95.7 73.13 106 27.9 96.0 73.83 107 54 26.7 96.4 74.53 108 25.5 96.7 75.23 109 55 28 24.3 97.0 75.94 110 23.1 97.3 76.64 77.34 111 56 21.9 97.6 77.34 77.34 78.05 77.34 78.05 77.34 78.05 78.05 71.11 98.5 78.05 79.8 78.05 78.75 79.45 <	100						34.8	93.7	69.61
103 52 31.4 95.0 71.72 104 30.2 95.3 72.42 105 53 27 14 29.0 95.7 73.13 106 27.9 96.0 73.83 107 54 26.7 96.4 74.53 108 25.5 96.7 75.23 109 55 28 24.3 97.0 75.94 110 23.1 97.3 76.64 111 56 21.9 97.6 77.34 112 20.7 97.8 78.05 113 57 29 15 8 19.5 98.1 78.75 114 18.3 98.3 79.45 115 58 17.1 98.5 80.16 115 58 17.1 98.5 80.16 116 15.9 98.7 80.86 117 59 30 14.7 98.9 81.56 118 13.5	101	51	26				33.7	94.2	70.31
104 30.2 95.3 72.42 105 53 27 14 29.0 95.7 73.13 106 27.9 96.0 73.83 74.53 74.53 74.53 74.53 74.53 74.53 75.23 75.23 75.23 75.23 75.94 75.23 75.94 75.94 75.94 77.34 76.64 77.34 76.64 77.34	102						32.5	94.6	71.02
105 53 27 14 29.0 95.7 73.13 106 27.9 96.0 73.83 107 54 26.7 96.4 74.53 108 25.5 96.7 75.23 109 55 28 24.3 97.0 75.94 110 23.1 97.3 76.64 111 56 21.9 97.6 77.34 112 20.7 97.8 78.05 113 57 29 15 8 19.5 98.1 78.75 114 18.3 98.3 79.45 115 58 17.1 98.5 80.16 116 15.9 98.7 80.86 117 59 98.7 80.86 117 59 30 14.7 98.9 81.56 118 13.5 99.1 82.27 119 60 12.2 99.2 82.97 120 11.0 99.4	103	52					31.4	95.0	71.72
106 27.9 96.0 73.83 107 54 26.7 96.4 74.53 108 25.5 96.7 75.23 109 55 28 24.3 97.0 75.94 110 23.1 97.3 76.64 111 56 21.9 97.6 77.34 112 20.7 97.8 78.05 113 57 29 15 8 19.5 98.1 78.75 114 18.3 98.3 79.45 79.45 79.45 80.16 116 15.9 98.7 80.86 80.16 80.86 80.86 80.86 81.56 81.56 80.86 81.56 81.56 81.56 82.27 82.97 82.27 82.97 82.27 82.97 82.27 82.97 82.27 83.67 83.67 84.38 82.27 84.38 82.27 84.38 84.38 84.38 84.38 86.48 85.08 85.08 85.08 <td>104</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>30.2</td> <td>95.3</td> <td>72.42</td>	104						30.2	95.3	72.42
107 54 26.7 96.4 74.53 108 25.5 96.7 75.23 109 55 28 24.3 97.0 75.94 110 23.1 97.3 76.64 111 56 21.9 97.6 77.34 112 20.7 97.8 78.05 113 57 29 15 8 19.5 98.1 78.75 114 18.3 98.3 79.45 79.47 79.47 79.47 79.47 79.47 79.47 79.47 79.47 79.47 79.47 79.47 79.47 79.47 79.47	105	53	27	14			29.0	95.7	73.13
108 25.5 96.7 75.23 109 55 28 24.3 97.0 75.94 110 23.1 97.3 76.64 111 56 21.9 97.6 77.34 112 20.7 97.8 78.05 113 57 29 15 8 19.5 98.1 78.75 114 18.3 98.3 79.45 115 58 17.1 98.5 80.16 116 15.9 98.7 80.86 117 59 30 14.7 98.9 81.56 118 13.5 99.1 82.27 119 60 12.2 99.2 82.97 120 11.0 99.4 83.67 121 61 31 16 9.8 99.5 84.38 122 8.6 99.6 85.08 123 62 7.4 99.7 85.78 124 6.1 99.8 86.48 <t< td=""><td>106</td><td></td><td></td><td></td><td></td><td></td><td>27.9</td><td>96.0</td><td>73.83</td></t<>	106						27.9	96.0	73.83
109 55 28 24.3 97.0 75.94 110 23.1 97.3 76.64 111 56 21.9 97.6 77.34 112 20.7 97.8 78.05 113 57 29 15 8 19.5 98.1 78.75 114 18.3 98.3 79.45 79.47	107	54					26.7	96.4	74.53
110 23.1 97.3 76.64 111 56 21.9 97.6 77.34 112 20.7 97.8 78.05 113 57 29 15 8 19.5 98.1 78.75 114 18.3 98.3 79.45 79.85 80.16 80.16 79.85 80.16 80.16 79.85 79.85 80.86 79.11 79.27	108						25.5	96.7	75.23
111 56 21.9 97.6 77.34 112 20.7 97.8 78.05 113 57 29 15 8 19.5 98.1 78.75 114 18.3 98.3 79.45 115 58 17.1 98.5 80.16 116 15.9 98.7 80.86 117 59 30 14.7 98.9 81.56 118 13.5 99.1 82.27 119 60 12.2 99.2 82.97 120 11.0 99.4 83.67 121 61 31 16 9.8 99.5 84.38 122 8.6 99.6 85.08 123 62 7.4 99.7 85.78 124 6.1 99.8 86.48 125 63 32 4.9 99.9 87.19 126 3.7 99.9 87.89	109	55	28				24.3	97.0	75.94
112 20.7 97.8 78.05 113 57 29 15 8 19.5 98.1 78.75 114 18.3 98.3 79.45 79.45 115 58 80.16 116 15.9 98.7 80.86 80.16 80.86 80.16 80.86 80.16 80.86 80.86 80.86 80.86 80.86 80.86 80.86 80.86 80.86 80.86 80.86 80.86 80.86 80.86 80.86 80.86 80.86 80.86 80.86 80.91 80.86 80.99 80.86 80.99 80.86 80.86 80.99 80.86 <td< td=""><td>110</td><td></td><td></td><td></td><td></td><td></td><td>23.1</td><td>97.3</td><td>76.64</td></td<>	110						23.1	97.3	76.64
113 57 29 15 8 19.5 98.1 78.75 114 18.3 98.3 79.45 115 58 17.1 98.5 80.16 116 15.9 98.7 80.86 117 59 30 14.7 98.9 81.56 118 13.5 99.1 82.27 119 60 12.2 99.2 82.97 120 11.0 99.4 83.67 121 61 31 16 9.8 99.5 84.38 122 8.6 99.6 85.08 123 62 7.4 99.7 85.78 124 6.1 99.8 86.48 125 63 32 4.9 99.9 87.19 126 3.7 99.9 87.89	111	56					21.9	97.6	77.34
114 18.3 98.3 79.45 115 58 17.1 98.5 80.16 116 15.9 98.7 80.86 117 59 30 14.7 98.9 81.56 118 13.5 99.1 82.27 119 60 12.2 99.2 82.97 120 11.0 99.4 83.67 121 61 31 16 9.8 99.5 84.38 122 8.6 99.6 85.08 123 62 7.4 99.7 85.78 124 6.1 99.8 86.48 125 63 32 4.9 99.9 87.19 126 3.7 99.9 87.89	112						20.7	97.8	78.05
115 58 17.1 98.5 80.16 116 15.9 98.7 80.86 117 59 30 14.7 98.9 81.56 118 13.5 99.1 82.27 119 60 12.2 99.2 82.97 120 11.0 99.4 83.67 121 61 31 16 9.8 99.5 84.38 122 8.6 99.6 85.08 123 62 7.4 99.7 85.78 124 6.1 99.8 86.48 125 63 32 4.9 99.9 87.19 126 3.7 99.9 87.89	113	57	29	15	8		19.5	98.1	78.75
116 15.9 98.7 80.86 117 59 30 14.7 98.9 81.56 118 13.5 99.1 82.27 119 60 12.2 99.2 82.97 120 11.0 99.4 83.67 121 61 31 16 9.8 99.5 84.38 122 8.6 99.6 85.08 123 62 7.4 99.7 85.78 124 6.1 99.8 86.48 125 63 32 4.9 99.9 87.19 126 3.7 99.9 87.89	114						18.3	98.3	79.45
117 59 30 14.7 98.9 81.56 118 13.5 99.1 82.27 119 60 12.2 99.2 82.97 120 11.0 99.4 83.67 121 61 31 16 9.8 99.5 84.38 122 8.6 99.6 85.08 123 62 7.4 99.7 85.78 124 6.1 99.8 86.48 125 63 32 4.9 99.9 87.19 126 3.7 99.9 87.89	115	58					17.1	98.5	80.16
118 13.5 99.1 82.27 119 60 12.2 99.2 82.97 120 11.0 99.4 83.67 121 61 31 16 9.8 99.5 84.38 122 8.6 99.6 85.08 123 62 7.4 99.7 85.78 124 6.1 99.8 86.48 125 63 32 4.9 99.9 87.19 126 3.7 99.9 87.89	116						15.9	98.7	80.86
119 60 12.2 99.2 82.97 120 11.0 99.4 83.67 121 61 31 16 9.8 99.5 84.38 122 8.6 99.6 85.08 123 62 7.4 99.7 85.78 124 6.1 99.8 86.48 125 63 32 4.9 99.9 87.19 126 3.7 99.9 87.89	117	59	30				14.7	98.9	81.56
120 11.0 99.4 83.67 121 61 31 16 9.8 99.5 84.38 122 8.6 99.6 85.08 123 62 7.4 99.7 85.78 124 6.1 99.8 86.48 125 63 32 4.9 99.9 87.19 126 3.7 99.9 87.89	118						13.5	99.1	82.27
121 61 31 16 9.8 99.5 84.38 122 8.6 99.6 85.08 123 62 7.4 99.7 85.78 124 6.1 99.8 86.48 125 63 32 4.9 99.9 87.19 126 3.7 99.9 87.89	119	60					12.2	99.2	82.97
122 8.6 99.6 85.08 123 62 7.4 99.7 85.78 124 6.1 99.8 86.48 125 63 32 4.9 99.9 87.19 126 3.7 99.9 87.89	120						11.0	99.4	83.67
123 62 124 6.1 125 63 126 3.7 99.7 85.78 6.1 99.8 86.48 99.9 87.19 3.7 99.9 87.89	121	61	31	16			9.8	99.5	84.38
124 6.1 99.8 86.48 125 63 32 4.9 99.9 87.19 126 3.7 99.9 87.89	122						8.6	99.6	85.08
125 63 32 126 4.9 99.9 87.19 3.7 99.9 87.89	123	62					7.4	99.7	85.78
126 3.7 99.9 87.89	124						6.1	99.8	86.48
	125	63	32				4.9	99.9	87.19
127 64 2.5 100.0 88.59	126						3.7	99.9	87.89
	127	64					2.5	100.0	88.59

128 1.2 100.0 129 65 33 17 9 5 3 0.0 100.0 130 -1.2 100.0 131 66 -2.5 100.0 132 -3.7 99.9 133 67 34 -4.9 99.9 134 -6.1 99.8 135 68 -7.4 99.7	89.30 90.00 90.70 91.41 92.11
130 -1.2 100.0 131 66 -2.5 100.0 132 -3.7 99.9 133 67 34 -4.9 99.9 134 -6.1 99.8	90.70 91.41
131 66 132 -2.5 133 67 134 -4.9 99.9 -6.1 99.8	91.41
132 -3.7 99.9 133 67 34 -4.9 99.9 134 -6.1 99.8	
133 67 34 -4.9 99.9 134 -6.1 99.8	92.11
134 -6.1 99.8	
	92.81
135 68 -74 997	93.52
77.1	94.22
136 -8.6 99.6	94.92
137 69 35 18 -9.8 99.5	95.63
138 -11.0 99.4	96.33
139 70 -12.2 99.2	97.03
140 -13.5 99.1	97.73
141 71 36 -14.7 98.9	98.44
142 -15.9 98.7	99.14
143 72 -17.1 98.5	99.84
144 -18.3 98.3	100.55
145 73 37 19 10 -19.5 98.1	101.25
146 -20.7 97.8	101.95
147 74 -21.9 97.6	102.66
148 -23.1 97.3	103.36
149 75 38 -24.3 97.0	104.06
150 -25.5 96.7	104.77
151 76 -26.7 96.4	105.47
152 -27.9 96.0	106.17
153 77 39 20 -29.0 95.7	106.88
154 -30.2 95.3	107.58
155 78 -31.4 95.0	108.28
156 -32.5 94.6	108.98
157 79 40 -33.7 94.2	109.69
158 -34.8 93.7	110.39
159 80 -36.0 93.3	111.09
160 -37.1 92.9	111.80
161 81 41 21 11 6 -38.3 92.4	112.50
162 -39.4 91.9	113.20
163 82 -40.5 91.4	113.91
164 -41.6 90.9	114.61
165 83 42 -42.8 90.4	115.31
166 -43.9 89.9	116.02
167 84 -45.0 89.3	116.72
168 -46.1 88.8	117.42
169 85 43 22 -47.1 88.2	118.13
170 -48.2 87.6	118.83
171 86 -49.3 87.0	119.53

172											
174	172								-50.4	86.4	120.23
175 88	173	87	44						-51.4	85.8	120.94
176	174								-52.5	85.1	121.64
177 89 45 23 12 -55.6 83.1 123.75 178 -56.6 82.5 124.45 179 90 -57.6 81.8 125.16 180 -58.6 81.0 125.86 181 91 46 -59.6 80.3 125.86 182 -60.6 79.6 127.27 183 92 -61.5 78.8 127.97 184 -62.5 78.1 128.67 185 93 47 24 -63.4 77.3 129.38 186 -64.4 76.5 130.08 187.9 131.48 189 95 48 -67.2 74.1 132.19 190 -68.1 73.3 132.89 191 96 -69.0 72.4 133.59 192 -69.8 71.6 134.30 193 97 49 25 13 7 4 2 70.7	175	88							-53.5	84.5	122.34
178	176								-54.5	83.8	123.05
179 90	177	89	45	23	12				-55.6	83.1	123.75
180	178								-56.6	82.5	124.45
181 91 46 -59.6 80.3 126.56 182 -60.6 79.6 127.27 183 92 -61.5 78.8 127.97 184 -62.5 78.1 128.67 185 93 47 24 -63.4 77.3 129.38 186 -64.4 76.5 130.08 187.94 -65.3 75.7 130.78 188 -66.2 74.9 131.48 189.95 48 -67.2 74.1 132.19 190.7 190.7 72.4 133.59 191.96 -68.1 73.3 132.89 191.96 -69.0 72.4 133.59 192.7 -69.8 71.6 134.30 193.79 192.7 -69.8 71.6 69.8 135.70 135.00 194.7 194.7 -70.7 135.00 194.7 194.7 -70.7 135.00 194.7 -71.6 69.8 135.70 135.00 194.7 194.7 -71.6 69.8 135.70 194.	179	90							-57.6	81.8	125.16
182 -60.6 79.6 127.27 183 92 -61.5 78.8 127.97 184 -62.5 78.1 128.67 185 93 47 24 -63.4 77.3 129.38 186 -64.4 76.5 130.08 187 94 -65.3 75.7 130.78 188 -66.2 74.9 131.48 189 95 48 -66.2 74.9 131.48 189 95 48 -66.2 74.9 131.48 189 190 -68.1 73.3 132.89 191 96 -69.0 72.4 133.59 192 -69.8 71.6 134.30 193.59 192 -69.8 71.6 134.30 193.59 194 -71.6 69.8 135.70 195.98 17.6 134.30 193.50 194.4 -71.6 69.8 135.70 195.9 98 -72.4 69.0 136.41 196.1 -73.3 68.1 137.11	180								-58.6	81.0	125.86
183 92 -61.5 78.8 127.97 184 -62.5 78.1 128.67 185 93 47 24 -63.4 77.3 129.38 186 -64.4 76.5 130.08 187 94 -65.3 75.7 130.78 188 -66.2 74.9 131.48 189 95 48 -66.2 74.9 131.49 190 -68.1 73.3 132.89 191 96 -69.0 72.4 133.59 192 -69.8 71.6 134.30 193 97 49 25 13 7 4 2 -70.7 70.7 135.00 194 -71.6 69.8 135.70 195 98 135.70 195 98 135.70 196 136.41 197.1 197 99 50 -74.1 67.2 137.81 198.1 -74.9 66.2 138.52 199	181	91	46						-59.6	80.3	126.56
184 -62.5 78.1 128.67 185 93 47 24 -63.4 77.3 129.38 186 -64.4 76.5 130.08 187 94 -65.3 75.7 130.78 188 -66.2 74.9 131.48 189 95 48 -67.2 74.1 132.19 190 -68.1 73.3 132.89 191 96 -69.0 72.4 133.59 192 -69.8 71.6 134.30 193.59 192 -69.8 71.6 134.30 193 97 49 25 13 7 4 2 -70.7 70.7 135.00 194 -71.6 69.8 135.70 136.41 196 -72.4 69.0 136.41 195 98 -72.4 69.0 136.41 197.11 197.9 99 50 -74.1 67.2 137.81 198 -74.9 66.2 138.52 1	182								-60.6	79.6	127.27
185 93 47 24 -63.4 77.3 129.38 186 -64.4 76.5 130.08 187 94 -65.3 75.7 130.78 188 -66.2 74.9 131.48 189 95 48 -67.2 74.1 132.19 190 -68.1 73.3 132.89 191 196 -69.0 72.4 133.59 192 -69.8 71.6 134.30 193.59 192 -69.8 71.6 134.30 193 97 49 25 13 7 4 2 -70.7 70.7 135.00 194 -71.6 69.8 71.6 69.8 135.70 135.70 194 -71.6 69.8 135.70 135.00 136.41 137.11 197 99 50 -72.4 69.0 136.41 137.11 197 99 50 -74.1 67.2 137.81 193.22 137.81 <t< td=""><td>183</td><td>92</td><td></td><td></td><td></td><td></td><td></td><td></td><td>-61.5</td><td>78.8</td><td>127.97</td></t<>	183	92							-61.5	78.8	127.97
186 64.4 76.5 130.08 187 94 65.3 75.7 130.78 188 66.2 74.9 131.48 189 95 48 66.2 74.1 132.19 190 68.1 73.3 132.89 191 96 69.0 72.4 133.59 192 69.8 71.6 134.30 193 97 49 25 13 7 4 2 70.7 70.7 135.00 194 70.7 70.6 69.8 135.70 136.41 136.41 136.41 137.11 197 99 50 772.4 69.0 136.41 137.11 197 99 50 774.1 67.2 137.81 198 74.9 66.2 138.52 199 100 775.7 65.3 139.22 200 76.5 64.4 139.92 201 101 51 26 777.3 63.4 140.63 140.63	184								-62.5	78.1	128.67
187 94 -65.3 75.7 130.78 188 -66.2 74.9 131.48 189 95 48 -67.2 74.1 132.19 190 -68.1 73.3 132.89 191 96 -69.0 72.4 133.59 192 -69.8 71.6 134.30 193 97 49 25 13 7 4 2 -70.7 70.7 135.00 194 -71.6 69.8 135.70 136.41 196 -71.6 69.8 135.70 195 98 -72.4 69.0 136.41 197.11 197.9 99 50 -74.1 67.2 137.81 198.1 -74.9 66.2 138.52 199.100 -74.9 66.2 138.52 199.100 -75.7 65.3 139.22 200 -76.5 64.4 139.92 201 101 51 26 -77.3 63.4 140.63 140.63 140.63 <td>185</td> <td>93</td> <td>47</td> <td>24</td> <td></td> <td></td> <td></td> <td></td> <td>-63.4</td> <td>77.3</td> <td>129.38</td>	185	93	47	24					-63.4	77.3	129.38
188 -66.2 74.9 131.48 189 95 48 -67.2 74.1 132.19 190 -68.1 73.3 132.89 191 96 -69.0 72.4 133.59 192 -69.8 71.6 134.30 193 97 49 25 13 7 4 2 -70.7 70.7 135.00 194 -71.6 69.8 135.70 136.41 137.11 196 -72.4 69.0 136.41 137.11 197 99 50 -74.1 67.2 137.81 198 -74.9 66.2 138.52 199 100 -75.7 65.3 139.22 200 -76.5 64.4 139.92 201 101 51 26 -77.3 63.4 140.63 202 -78.1 62.5 141.33 203 102 -78.8 61.5 142.03 204 -79.6 60.6 142.73 205 103 52	186								-64.4	76.5	130.08
189 95 48 -67.2 74.1 132.19 190 -68.1 73.3 132.89 191 96 -69.0 72.4 133.59 192 -69.8 71.6 134.30 193 97 49 25 13 7 4 2 -70.7 70.7 135.00 194 -71.6 69.8 135.70 135.70 195 98 135.70 196.8 135.70 197.4 69.0 136.41 196 196.2 137.81 197.4 69.0 136.41 197.1 197.9 99 50 -74.1 67.2 137.81 198.8 -74.9 66.2 138.52 199.100 -75.7 65.3 139.22 200 -76.5 64.4 139.92 201.101 51.26 -77.3 63.4 140.63 202 -78.1 62.5 141.33 203.102 -78.8 61.5 142.03 204 -79.6 60.6 142.73 205.10 10.	187	94							-65.3	75.7	130.78
190 -68.1 73.3 132.89 191 96 -69.0 72.4 133.59 192 -69.8 71.6 134.30 193 97 49 25 13 7 4 2 -70.7 70.7 135.00 194 -73.3 -71.6 69.8 135.70 136.41 135.70 195 98 136.41 196.0 136.41 197.0 197.0 197.0 197.0 197.0 197.0 197.0 197.0 197.0 197.0 197.0 197.0 197.0 197.0 198.0 199.0 </td <td>188</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-66.2</td> <td>74.9</td> <td>131.48</td>	188								-66.2	74.9	131.48
191 96 -69.0 72.4 133.59 192 -69.8 71.6 134.30 193 97 49 25 13 7 4 2 -70.7 70.7 135.00 194 -71.6 69.8 135.70 135.00 136.41 196.0 136.41 197.0 198.0 136.41 197.0 198.0 136.41 197.0 198.0 136.41 197.0 198.0 136.41 197.0 198.0 199.0 136.41 197.0 198.0 199.0	189	95	48						-67.2	74.1	132.19
192 -69.8 71.6 134.30 193 97 49 25 13 7 4 2 -70.7 70.7 135.00 194 -71.6 69.8 135.70 135.00 136.41 137.01 195 98 135.70 136.41 196 136.41 196 136.41 137.11 197 99 50 -74.1 67.2 137.81 198 -74.9 66.2 138.52 199 100 -75.7 65.3 139.22 200 -76.5 64.4 139.92 201 101 51 26 -77.3 63.4 140.63 202 -78.1 62.5 141.33 203 102 -78.8 61.5 142.03 204 -79.6 60.6 142.73 205 103 52 -80.3 59.6 143.44 206 -81.0 58.6 144.14 207 104 -81.8 57.6 144.84 208 -82.5 56.6 145.55 209 <	190								-68.1	73.3	132.89
193 97 49 25 13 7 4 2 -70.7 70.7 135.00 194 -71.6 69.8 135.70 195.70 195.70 195.70 195.70 196.0 136.41 196.0 136.41 196.0 136.41 197.21 197.11 197.9 197.21 197.11 197.21 197.11 197.21 197.11 197.21 197.21 197.11 197.22 197.22 197.22 197.22 197.22 197.22 197.23 197.22 197.23 197.22 197.23 197.22 197.23 197.22 197.23 197.22 197.23 197.23 197.23 197.23 197.23 197.23 197.23 197.23 197.23 197.23 197.23	191	96							-69.0	72.4	133.59
194 -71.6 69.8 135.70 195 98 -72.4 69.0 136.41 196 -73.3 68.1 137.11 197 99 50 -74.1 67.2 137.81 198 -74.9 66.2 138.52 199 100 -75.7 65.3 139.22 200 -76.5 64.4 139.92 201 101 51 26 -77.3 63.4 140.63 202 -78.1 62.5 141.33 203 102 -78.8 61.5 142.03 204 -79.6 60.6 142.73 205 103 52 -80.3 59.6 143.44 206 -81.0 58.6 144.14 207 104 -81.8 57.6 144.84 208 -82.5 56.6 145.55 209 105 53 27 14 -83.1 55.6 146.25	192								-69.8	71.6	134.30
195 98 -72.4 69.0 136.41 196 -73.3 68.1 137.11 197 99 50 -74.1 67.2 137.81 198 -74.9 66.2 138.52 199 100 -75.7 65.3 139.22 200 -76.5 64.4 139.92 201 101 51 26 -77.3 63.4 140.63 202 -78.1 62.5 141.33 203 102 -78.8 61.5 142.03 204 -79.6 60.6 142.73 205 103 52 -80.3 59.6 143.44 206 -81.0 58.6 144.14 207 104 -81.8 57.6 144.84 208 -82.5 56.6 145.55 209 105 53 27 14 -83.1 55.6 146.25 210 -83.8 54.5 146.95	193	97	49	25	13	7	4	2	-70.7	70.7	135.00
196 -73.3 68.1 137.11 197 99 50 -74.1 67.2 137.81 198 -74.9 66.2 138.52 199 100 -75.7 65.3 139.22 200 -76.5 64.4 139.92 201 101 51 26 -77.3 63.4 140.63 202 -78.1 62.5 141.33 203 102 -78.8 61.5 142.03 204 -79.6 60.6 142.73 205 103 52 -80.3 59.6 143.44 206 -81.0 58.6 144.14 207 104 -81.8 57.6 144.84 208 -82.5 56.6 145.55 209 105 53 27 14 -83.1 55.6 146.25 210 -83.8 54.5 146.95 147.66 212 -85.1 52.5 148.36	194								-71.6	69.8	135.70
197 99 50 -74.1 67.2 137.81 198 -74.9 66.2 138.52 199 100 -75.7 65.3 139.22 200 -76.5 64.4 139.92 201 101 51 26 -77.3 63.4 140.63 202 -78.1 62.5 141.33 203 102 -78.8 61.5 142.03 204 -79.6 60.6 142.73 205 103 52 -80.3 59.6 143.44 206 -81.0 58.6 144.14 140.4 -81.8 57.6 144.84 208 -82.5 56.6 145.55 146.25 146.25 209 105 53 27 14 -83.1 55.6 146.25 210 -83.8 54.5 146.95 147.66 147.66 212 -85.1 52.5 148.36 149.06 214 <td< td=""><td>195</td><td>98</td><td></td><td></td><td></td><td></td><td></td><td></td><td>-72.4</td><td>69.0</td><td>136.41</td></td<>	195	98							-72.4	69.0	136.41
198 -74.9 66.2 138.52 199 100 -75.7 65.3 139.22 200 -76.5 64.4 139.92 201 101 51 26 -77.3 63.4 140.63 202 -78.1 62.5 141.33 203 102 -78.8 61.5 142.03 204 -79.6 60.6 142.73 205 103 52 -80.3 59.6 143.44 206 -81.0 58.6 144.14 207 104 -81.8 57.6 144.84 208 -82.5 56.6 145.55 209 105 53 27 14 -83.1 55.6 146.25 210 -83.8 54.5 146.95 147.66 212 -85.1 52.5 148.36 213 107 54 -85.8 51.4 149.06 214 -86.4 50.4 149.77	196								-73.3	68.1	137.11
199 100 -75.7 65.3 139.22 200 -76.5 64.4 139.92 201 101 51 26 -77.3 63.4 140.63 202 -78.1 62.5 141.33 203 102 -78.8 61.5 142.03 204 -79.6 60.6 142.73 205 103 52 -80.3 59.6 143.44 206 -81.0 58.6 144.14 207 104 -81.8 57.6 144.84 208 -82.5 56.6 145.55 209 105 53 27 14 -83.1 55.6 146.25 210 -83.8 54.5 146.95 147.66 212 -85.1 52.5 148.36 213 107 54 -85.8 51.4 149.06 214 -86.4 50.4 149.77	197	99	50						-74.1	67.2	137.81
200 -76.5 64.4 139.92 201 101 51 26 -77.3 63.4 140.63 202 -78.1 62.5 141.33 203 102 -78.8 61.5 142.03 204 -79.6 60.6 142.73 205 103 52 -80.3 59.6 143.44 206 -81.0 58.6 144.14 207 104 -81.8 57.6 144.84 208 -82.5 56.6 145.55 209 105 53 27 14 -83.1 55.6 146.25 210 -83.8 54.5 146.95 147.66 212 -85.1 52.5 148.36 213 107 54 -85.8 51.4 149.06 214 -86.4 50.4 149.77	198								-74.9	66.2	138.52
201 101 51 26 -77.3 63.4 140.63 202 -78.1 62.5 141.33 203 102 -78.8 61.5 142.03 204 -79.6 60.6 142.73 205 103 52 -80.3 59.6 143.44 206 -81.0 58.6 144.14 207 104 -81.8 57.6 144.84 208 -82.5 56.6 145.55 209 105 53 27 14 -83.1 55.6 146.25 210 -83.8 54.5 146.95 211 106 -84.5 53.5 147.66 212 -85.1 52.5 148.36 213 107 54 -85.8 51.4 149.06 214 -86.4 50.4 149.77	199	100							-75.7	65.3	139.22
202 -78.1 62.5 141.33 203 102 -78.8 61.5 142.03 204 -79.6 60.6 142.73 205 103 52 -80.3 59.6 143.44 206 -81.0 58.6 144.14 207 104 -81.8 57.6 144.84 208 -82.5 56.6 145.55 209 105 53 27 14 -83.1 55.6 146.25 210 -83.8 54.5 146.95 211 106 -84.5 53.5 147.66 212 -85.1 52.5 148.36 213 107 54 -85.8 51.4 149.06 214 -86.4 50.4 149.77	200								-76.5	64.4	139.92
203 102 -78.8 61.5 142.03 204 -79.6 60.6 142.73 205 103 52 -80.3 59.6 143.44 206 -81.0 58.6 144.14 207 104 -81.8 57.6 144.84 208 -82.5 56.6 145.55 209 105 53 27 14 -83.1 55.6 146.25 210 -83.8 54.5 146.95 211 106 -84.5 53.5 147.66 212 -85.1 52.5 148.36 213 107 54 -85.8 51.4 149.06 214 -86.4 50.4 149.77	201	101	51	26					-77.3	63.4	140.63
204 -79.6 60.6 142.73 205 103 52 -80.3 59.6 143.44 206 -81.0 58.6 144.14 207 104 -81.8 57.6 144.84 208 -82.5 56.6 145.55 209 105 53 27 14 -83.1 55.6 146.25 210 -83.8 54.5 146.95 211 106 -84.5 53.5 147.66 212 -85.1 52.5 148.36 213 107 54 -85.8 51.4 149.06 214 -86.4 50.4 149.77	202								-78.1	62.5	141.33
205 103 52 -80.3 59.6 143.44 206 -81.0 58.6 144.14 207 104 -81.8 57.6 144.84 208 -82.5 56.6 145.55 209 105 53 27 14 -83.1 55.6 146.25 210 -83.8 54.5 146.95 211 106 -84.5 53.5 147.66 212 -85.1 52.5 148.36 213 107 54 -85.8 51.4 149.06 214 -86.4 50.4 149.77	203	102							-78.8	61.5	142.03
206 -81.0 58.6 144.14 207 104 -81.8 57.6 144.84 208 -82.5 56.6 145.55 209 105 53 27 14 -83.1 55.6 146.25 210 -83.8 54.5 146.95 211 106 -84.5 53.5 147.66 212 -85.1 52.5 148.36 213 107 54 -85.8 51.4 149.06 214 -86.4 50.4 149.77	204								-79.6	60.6	142.73
207 104 -81.8 57.6 144.84 208 -82.5 56.6 145.55 209 105 53 27 14 -83.1 55.6 146.25 210 -83.8 54.5 146.95 211 106 -84.5 53.5 147.66 212 -85.1 52.5 148.36 213 107 54 -85.8 51.4 149.06 214 -86.4 50.4 149.77	205	103	52						-80.3	59.6	143.44
208 -82.5 56.6 145.55 209 105 53 27 14 -83.1 55.6 146.25 210 -83.8 54.5 146.95 211 106 -84.5 53.5 147.66 212 -85.1 52.5 148.36 213 107 54 -85.8 51.4 149.06 214 -86.4 50.4 149.77	206								-81.0	58.6	144.14
209 105 53 27 14 -83.1 55.6 146.25 210 -83.8 54.5 146.95 211 106 -84.5 53.5 147.66 212 -85.1 52.5 148.36 213 107 54 -85.8 51.4 149.06 214 -86.4 50.4 149.77	207	104							-81.8	57.6	144.84
210 -83.8 54.5 146.95 211 106 -84.5 53.5 147.66 212 -85.1 52.5 148.36 213 107 54 -85.8 51.4 149.06 214 -86.4 50.4 149.77	208								-82.5	56.6	145.55
211 106 -84.5 53.5 147.66 212 -85.1 52.5 148.36 213 107 54 -85.8 51.4 149.06 214 -86.4 50.4 149.77	209	105	53	27	14				-83.1	55.6	146.25
212 -85.1 52.5 148.36 213 107 54 -85.8 51.4 149.06 214 -86.4 50.4 149.77	210								-83.8	54.5	146.95
213 107 54 -85.8 51.4 149.06 214 -86.4 50.4 149.77	211	106							-84.5	53.5	147.66
214 -86.4 50.4 149.77	212								-85.1	52.5	148.36
	213	107	54						-85.8	51.4	149.06
215 108 -87.0 49.3 150.47	214								-86.4	50.4	149.77
	215	108							-87.0	49.3	150.47

216										
218	216							-87.6	48.2	151.17
219	217	109	55	28				-88.2	47.1	151.88
220	218							-88.8	46.1	152.58
221 111 56 -90.4 42.8 154.69 222 -90.9 41.6 155.39 223 112 -91.4 40.5 156.09 224 -91.9 39.4 156.80 225 113 57 29 15 8 -92.4 38.3 157.50 226 -92.9 37.1 158.20 158.91 158.20 158.91 158.20 158.91 158.20 158.91 158.20 158.91 158.20 158.91 158.20 158.91 158.20 158.91 158.20 158.91 158.20 158.91 158.20 158.91 158.20 158.91 158.20 158.91 158.20 158.91 158.20 158.91 158.20 158.91 158.20 159.20 37.1 158.20 158.20 159.20 37.1 158.20 159.91 159.31 159.61 159.91 169.31 159.20 169.31 159.20 169.31 159.20 169.31 159.20 169.31	219	110						-89.3	45.0	153.28
222 90.9 41.6 155.39 223 112 91.9 39.4 156.80 225 113 57 29 15 8 -92.4 38.3 157.50 226 92.9 37.1 158.20 158.91 227 114 93.3 36.0 158.91 228 93.7 34.8 159.61 229 115 58 93.7 34.8 159.61 230 94.6 32.5 161.02 160.31 231 116 95.0 31.4 161.72 232 95.3 30.2 162.42 233 117 59 30 95.7 29.0 163.13 234 96.0 27.9 163.83 162.42 235 118 96.4 26.7 164.53 236 96.7 25.5 165.23 237 119 60 97.0 24.3 165.94 </td <td>220</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-89.9</td> <td>43.9</td> <td>153.98</td>	220							-89.9	43.9	153.98
223 112 -91.4 40.5 156.09 224 -91.9 39.4 156.80 225 113 57 29 15 8 -92.4 38.3 157.50 226 -92.9 37.1 158.20 158.91 158.20 158.91 227 114 -93.3 36.0 158.91 159.91 163.31 169.42 159.73	221	111	56					-90.4	42.8	154.69
224 -91.9 39.4 156.80 225 113 57 29 15 8 -92.4 38.3 157.50 226 -92.9 37.1 158.20 158.91 158.20 227 114 -93.3 36.0 158.91 228 -93.7 34.8 159.61 229 115 58 -94.2 33.7 160.31 230 -94.6 32.5 161.02 160.31 231 116 -95.0 31.4 161.72 232 -95.3 30.2 162.42 233 117 59 30 -95.7 29.0 163.13 234 -96.0 27.9 163.83 235 118 -96.4 26.7 164.53 235 118 -96.4 26.7 164.53 236 -97.0 24.3 165.94 238 -97.0 24.3 165.94 243 123 166.64 26.7 <td< td=""><td>222</td><td></td><td></td><td></td><td></td><td></td><td></td><td>-90.9</td><td>41.6</td><td>155.39</td></td<>	222							-90.9	41.6	155.39
225 113 57 29 15 8 -92.4 38.3 157.50 226 -92.9 37.1 158.20 158.91 159.91 159.91 159.91 159.91 159.91	223	112						-91.4	40.5	156.09
226 -92.9 37.1 158.20 227 114 -93.3 36.0 158.91 228 -93.7 34.8 159.61 229 115 58 -94.2 33.7 160.31 230 -94.6 32.5 161.02 231 116 -95.0 31.4 161.72 232 -95.3 30.2 162.42 233 117 59 30 -95.7 29.0 163.13 234 -96.0 27.9 163.83 235 118 -96.0 27.9 163.83 235 118 -96.4 26.7 164.53 236 -96.7 25.5 165.23 237 119 60 -97.0 24.3 165.94 238 -97.3 23.1 166.64 239 120	224							-91.9	39.4	156.80
227 114 -93.3 36.0 158.91 228 -93.7 34.8 159.61 229 115 58 -94.2 33.7 160.31 230 -94.6 32.5 161.02 231 116 -95.0 31.4 161.72 232 -95.3 30.2 162.42 233 117 59 30 -95.7 29.0 163.13 234 -96.0 27.9 163.83 235 118 -96.4 26.7 164.53 235 118 -96.7 25.5 165.23 237 119 60 -97.0 24.3 165.94 238 -97.3 23.1 166.64 239 120 -97.6 21.9 167.34 240 -97.8 20.7 168.05 244 121.6 13.1 16 -98.1 19.5 168.75 242 -98.3 18.3 169.45 168.75 168.75 168.75	225	113	57	29	15	8		-92.4	38.3	157.50
228 -93.7 34.8 159.61 229 115 58 -94.2 33.7 160.31 230 -94.6 32.5 161.02 231 116 -95.0 31.4 161.72 232 -95.3 30.2 162.42 233 117 59 30 -95.7 29.0 163.13 234 -96.0 27.9 163.83 235 118 -96.4 26.7 164.53 235 118 -96.7 25.5 165.23 237 119 60 -97.0 24.3 165.93 237 119 60 -97.0 24.3 165.23 238 297.0 24.3 165.23 238 -97.3 23.1 166.64 239 120 -97.6 21.9 167.34 240 -97.6 21.9 167.34 240 -97.8 20.7 168.05 241 121 61 31 16 -98.	226							-92.9	37.1	158.20
229 115 58 -94.2 33.7 160.31 230 -94.6 32.5 161.02 231 116 -95.0 31.4 161.72 232 -95.3 30.2 162.42 233 117 59 30 -95.7 29.0 163.13 234 -96.0 27.9 163.83 165.94 235 118 -96.4 26.7 164.53 236 -96.7 25.5 165.23 237 119 60 -97.0 24.3 165.94 238 -97.3 23.1 166.64 239 120 -97.8 20.7 168.05 240 -97.8 20.7 168.05 241 121 61 31 16 -98.1 19.5 168.75 242 -98.3 18.3 169.45 169.45 17.1 170.16 244 -99.7 15.9 170.86 17.08 17.	227	114						-93.3	36.0	158.91
230 -94.6 32.5 161.02 231 116 -95.0 31.4 161.72 232 -95.3 30.2 162.42 233 117 59 30 -95.7 29.0 163.13 234 -96.0 27.9 163.83 235 118 -96.4 26.7 164.53 236 -96.7 25.5 165.23 165.94 238 165.94 238 -97.0 24.3 165.94 238 166.64 239 120 -97.6 21.9 167.34 240 -97.8 20.7 168.05 241 121 61 31 16 -98.1 19.5 168.75 242 -97.8 20.7 168.05 244 -98.3 18.3 169.45 244 -98.3 18.3 169.45 244 -98.7 15.9 170.16 245 245 123 62 -98.9 14.7 171.56 246 -99.1 13.5 172.27 <t< td=""><td>228</td><td></td><td></td><td></td><td></td><td></td><td></td><td>-93.7</td><td>34.8</td><td>159.61</td></t<>	228							-93.7	34.8	159.61
231 116 -95.0 31.4 161.72 232 -95.3 30.2 162.42 233 117 59 30 -95.7 29.0 163.13 234 -96.0 27.9 163.83 235 118 -96.4 26.7 164.53 236 -96.7 25.5 165.23 165.94 237 119 60 -97.0 24.3 165.94 238 -97.3 23.1 166.64 239 120 -97.6 21.9 167.34 240 -97.8 20.7 168.05 241 121 61 31 16 -98.1 19.5 168.75 242 -98.3 18.3 169.45 168.75 242 -98.3 18.3 169.45 17.1 170.16 170.16 170.16 170.16 170.16 170.16 170.16 170.16 170.16 170.16 170.16 170.16 170.16 170.16 170.16 170.16 170.16	229	115	58					-94.2	33.7	160.31
232 95.3 30.2 162.42 233 117 59 30 -95.7 29.0 163.13 234 96.0 27.9 163.83 163.83 164.53 164.53 164.53 236 96.7 25.5 165.23 165.94 165.94 165.94 165.94 165.94 165.94 166.64 165.94 166.64 165.94 166.64 165.94 166.64 167.34 166.64 167.34 166.64 167.34 166.64 167.34 166.05 167.34	230							-94.6	32.5	161.02
233 117 59 30 -95.7 29.0 163.13 234 -96.0 27.9 163.83 235 118 -96.4 26.7 164.53 236 -96.7 25.5 165.23 237 119 60 -97.0 24.3 165.94 238 -97.3 23.1 166.64 239 120 -97.6 21.9 167.34 240 -97.8 20.7 168.05 241 121 61 31 16 -98.1 19.5 168.75 242 -98.3 18.3 169.45 168.75 170.86<	231	116						-95.0	31.4	161.72
234 -96.0 27.9 163.83 235 118 -96.4 26.7 164.53 236 -96.7 25.5 165.23 237 119 60 -97.0 24.3 165.94 238 -97.3 23.1 166.64 239 120 -97.6 21.9 167.34 240 -97.8 20.7 168.05 241 121 61 31 16 -98.1 19.5 168.75 242 -98.3 18.3 169.45 168.75 179.85 171.1 170.16 249.41 170.16 249.81 170.86 249.81 <td>232</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-95.3</td> <td>30.2</td> <td>162.42</td>	232							-95.3	30.2	162.42
235 118 -96.4 26.7 164.53 236 -96.7 25.5 165.23 237 119 60 -97.0 24.3 165.94 238 -97.3 23.1 166.64 239 120 -97.6 21.9 167.34 240 -97.8 20.7 168.05 241 121 61 31 16 -98.1 19.5 168.75 242 -98.3 18.3 169.45 168.75 170.86 298.3 18.3 169.45 170.76 298.7 15.9 170.86 244 171.10 171.66<	233	117	59	30				-95.7	29.0	163.13
236 -96.7 25.5 165.23 237 119 60 -97.0 24.3 165.94 238 -97.3 23.1 166.64 239 120 -97.6 21.9 167.34 240 -97.8 20.7 168.05 241 121 61 31 16 -98.1 19.5 168.75 242 -98.3 18.3 169.45 243 122 -98.5 17.1 170.16 244 -98.7 15.9 170.86 245 123 62 -98.9 14.7 171.56 246 -99.1 13.5 172.27 172.97 248 -99.2 12.2 172.97 248 -99.4 11.0 173.67 249 125 63 32 -99.5 9.8 174.38 250 -99.6 8.6 175.08 175.08 251 126 -99.9 3.7	234							-96.0	27.9	163.83
237 119 60 -97.0 24.3 165.94 238 -97.3 23.1 166.64 239 120 -97.6 21.9 167.34 240 -97.8 20.7 168.05 241 121 61 31 16 -98.1 19.5 168.75 242 -98.3 18.3 169.45 168.75 170.75 170.86 243 129.45 171.10 173.64 171.06 244 171.15 168.75 172.27 247 124 172.27 <td>235</td> <td>118</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-96.4</td> <td>26.7</td> <td>164.53</td>	235	118						-96.4	26.7	164.53
238 -97.3 23.1 166.64 239 120 -97.6 21.9 167.34 240 -97.8 20.7 168.05 241 121 61 31 16 -98.1 19.5 168.75 242 -98.3 18.3 169.45 243 122 -98.5 17.1 170.16 244 -98.7 15.9 170.86 245 123 62 -98.9 14.7 171.56 246 -99.1 13.5 172.27 172.27 247 124 -99.2 12.2 172.97 248 -99.4 11.0 173.67 249 125 63 32 -99.5 9.8 174.38 250 -99.6 8.6 175.08 251 126 -99.7 7.4 175.78 252 -99.8 6.1 176.48 253 127 64 -99.9 4.9	236							-96.7	25.5	165.23
239 120 -97.6 21.9 167.34 240 -97.8 20.7 168.05 241 121 61 31 16 -98.1 19.5 168.75 242 -98.3 18.3 169.45 243 122 -98.5 17.1 170.16 244 -98.7 15.9 170.86 245 123 62 -98.9 14.7 171.56 246 -99.1 13.5 172.27 247 124 -99.2 12.2 172.97 248 -99.4 11.0 173.67 249 125 63 32 -99.5 9.8 174.38 250 -99.6 8.6 175.08 251 126 -99.7 7.4 175.78 252 -99.8 6.1 176.48 253 127 64 -99.9 3.7 177.89 254 -99.9 3.7 177.89 <td>237</td> <td>119</td> <td>60</td> <td></td> <td></td> <td></td> <td></td> <td>-97.0</td> <td>24.3</td> <td>165.94</td>	237	119	60					-97.0	24.3	165.94
240 -97.8 20.7 168.05 241 121 61 31 16 -98.1 19.5 168.75 242 -98.3 18.3 169.45 243 122 -98.5 17.1 170.16 244 -98.7 15.9 170.86 245 123 62 -98.9 14.7 171.56 246 -99.1 13.5 172.27 247 124 -99.2 12.2 172.97 248 -99.4 11.0 173.67 249 125 63 32 -99.5 9.8 174.38 250 -99.6 8.6 175.08 251 126 -99.7 7.4 175.78 252 -99.8 6.1 176.48 253 127 64 -99.9 3.7 177.89 254 -99.9 3.7 177.89 255 128 -100.0 2.5 178.59 <td>238</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-97.3</td> <td>23.1</td> <td>166.64</td>	238							-97.3	23.1	166.64
241 121 61 31 16 -98.1 19.5 168.75 242 -98.3 18.3 169.45 243 122 -98.5 17.1 170.16 244 -98.7 15.9 170.86 245 123 62 -98.9 14.7 171.56 246 -99.1 13.5 172.27 247 124 -99.2 12.2 172.97 248 -99.4 11.0 173.67 249 125 63 32 -99.5 9.8 174.38 250 -99.6 8.6 175.08 251 126 -99.7 7.4 175.78 252 -99.8 6.1 176.48 253 127 64 -99.9 3.7 177.89 254 -99.9 3.7 177.89 255 128 -100.0 2.5 178.59 256 -100.0 0.0 180.00 <td>239</td> <td>120</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-97.6</td> <td>21.9</td> <td>167.34</td>	239	120						-97.6	21.9	167.34
242 -98.3 18.3 169.45 243 122 -98.5 17.1 170.16 244 -98.7 15.9 170.86 245 123 62 -98.9 14.7 171.56 246 -99.1 13.5 172.27 247 124 -99.2 12.2 172.97 248 -99.4 11.0 173.67 249 125 63 32 -99.5 9.8 174.38 250 -99.6 8.6 175.08 251 126 -99.7 7.4 175.78 252 -99.8 6.1 176.48 253 127 64 -99.9 4.9 177.19 254 -99.9 3.7 177.89 255 128 -100.0 2.5 178.59 256 -100.0 1.2 179.30 257 129 65 33 17 9 5 -100.0 0.0	240							-97.8	20.7	168.05
243 122 -98.5 17.1 170.16 244 -98.7 15.9 170.86 245 123 62 -98.9 14.7 171.56 246 -99.1 13.5 172.27 247 124 -99.2 12.2 172.97 248 -99.4 11.0 173.67 249 125 63 32 -99.5 9.8 174.38 250 -99.6 8.6 175.08 251 126 -99.7 7.4 175.78 252 -99.8 6.1 176.48 253 127 64 -99.9 4.9 177.19 254 -99.9 3.7 177.89 255 128 -100.0 2.5 178.59 256 -100.0 1.2 179.30 257 129 65 33 17 9 5 -100.0 -1.2 180.70	241	121	61	31	16			-98.1	19.5	168.75
244 -98.7 15.9 170.86 245 123 62 -98.9 14.7 171.56 246 -99.1 13.5 172.27 247 124 -99.2 12.2 172.97 248 -99.4 11.0 173.67 249 125 63 32 -99.5 9.8 174.38 250 -99.6 8.6 175.08 251 126 -99.7 7.4 175.78 252 -99.8 6.1 176.48 253 127 64 -99.9 4.9 177.19 254 -99.9 3.7 177.89 255 128 -100.0 2.5 178.59 256 -100.0 1.2 179.30 257 129 65 33 17 9 5 -100.0 -1.2 180.70	242							-98.3	18.3	169.45
245 123 62 -98.9 14.7 171.56 246 -99.1 13.5 172.27 247 124 -99.2 12.2 172.97 248 -99.4 11.0 173.67 249 125 63 32 -99.5 9.8 174.38 250 -99.6 8.6 175.08 251 126 -99.7 7.4 175.78 252 -99.8 6.1 176.48 253 127 64 -99.9 4.9 177.19 254 -99.9 3.7 177.89 255 128 -100.0 2.5 178.59 256 -100.0 1.2 179.30 257 129 65 33 17 9 5 -100.0 0.0 180.00 258 -100.0 -1.2 180.70 -100.0 -1.2 180.70	243	122						-98.5	17.1	170.16
246 -99.1 13.5 172.27 247 124 -99.2 12.2 172.97 248 -99.4 11.0 173.67 249 125 63 32 -99.5 9.8 174.38 250 -99.6 8.6 175.08 251 126 -99.7 7.4 175.78 252 -99.8 6.1 176.48 253 127 64 -99.9 4.9 177.19 254 -99.9 3.7 177.89 255 128 -100.0 2.5 178.59 256 -100.0 1.2 179.30 257 129 65 33 17 9 5 -100.0 -1.2 180.70	244							-98.7	15.9	170.86
247 124 -99.2 12.2 172.97 248 -99.4 11.0 173.67 249 125 63 32 -99.5 9.8 174.38 250 -99.6 8.6 175.08 251 126 -99.7 7.4 175.78 252 -99.8 6.1 176.48 253 127 64 -99.9 4.9 177.19 254 -99.9 3.7 177.89 255 128 -100.0 2.5 178.59 256 -100.0 1.2 179.30 257 129 65 33 17 9 5 -100.0 -1.2 180.70	245	123	62					-98.9	14.7	171.56
248 -99.4 11.0 173.67 249 125 63 32 -99.5 9.8 174.38 250 -99.6 8.6 175.08 251 126 -99.7 7.4 175.78 252 -99.8 6.1 176.48 253 127 64 -99.9 4.9 177.19 254 -99.9 3.7 177.89 255 128 -100.0 2.5 178.59 256 -100.0 1.2 179.30 257 129 65 33 17 9 5 -100.0 -1.2 180.70	246							-99.1	13.5	172.27
249 125 63 32 -99.5 9.8 174.38 250 -99.6 8.6 175.08 251 126 -99.7 7.4 175.78 252 -99.8 6.1 176.48 253 127 64 -99.9 4.9 177.19 254 -99.9 3.7 177.89 255 128 -100.0 2.5 178.59 256 -100.0 1.2 179.30 257 129 65 33 17 9 5 -100.0 -1.2 180.70	247	124						-99.2	12.2	172.97
250 -99.6 8.6 175.08 251 126 -99.7 7.4 175.78 252 -99.8 6.1 176.48 253 127 64 -99.9 4.9 177.19 254 -99.9 3.7 177.89 255 128 -100.0 2.5 178.59 256 -100.0 1.2 179.30 257 129 65 33 17 9 5 -100.0 0.0 180.00 258 -100.0 -1.2 180.70	248							-99.4	11.0	173.67
251 126 -99.7 7.4 175.78 252 -99.8 6.1 176.48 253 127 64 -99.9 4.9 177.19 254 -99.9 3.7 177.89 255 128 -100.0 2.5 178.59 256 -100.0 1.2 179.30 257 129 65 33 17 9 5 -100.0 0.0 180.00 258 -100.0 -1.2 180.70	249	125	63	32				-99.5	9.8	174.38
252 -99.8 6.1 176.48 253 127 64 -99.9 4.9 177.19 254 -99.9 3.7 177.89 255 128 -100.0 2.5 178.59 256 -100.0 1.2 179.30 257 129 65 33 17 9 5 -100.0 0.0 180.00 258 -100.0 -1.2 180.70	250							-99.6	8.6	175.08
253 127 64 -99.9 4.9 177.19 254 -99.9 3.7 177.89 255 128 -100.0 2.5 178.59 256 -100.0 1.2 179.30 257 129 65 33 17 9 5 -100.0 0.0 180.00 258 -100.0 -1.2 180.70	251	126						-99.7	7.4	175.78
254 -99.9 3.7 177.89 255 128 -100.0 2.5 178.59 256 -100.0 1.2 179.30 257 129 65 33 17 9 5 -100.0 0.0 180.00 258 -100.0 -1.2 180.70	252							-99.8	6.1	176.48
255 128 -100.0 2.5 178.59 256 -100.0 1.2 179.30 257 129 65 33 17 9 5 -100.0 0.0 180.00 258 -100.0 -1.2 180.70	253	127	64					-99.9	4.9	177.19
256 -100.0 257 129 65 33 179 258 -100.0 -100.0 -100.0 -100.0 -100.0 -100.0 -100.0 -100.0 -100.0 -100.0	254							-99.9	3.7	177.89
257 129 65 33 17 9 5 -100.0 0.0 180.00 258 -100.0 -100.0 -1.2 180.70	255	128						-100.0	2.5	178.59
258 -100.0 -1.2 180.70	256							-100.0	1.2	179.30
	257	129	65	33	17	9	5	-100.0	0.0	180.00
259 130 -100 0 -2 5 181 41	258							-100.0	-1.2	180.70
20/ 100.0 -2.3 101.41	259	130						-100.0	-2.5	181.41

260									
262 -99.8 -6.1 183.52 263 132 -99.7 -7.4 184.22 264 -99.6 -8.6 184.92 265 133 67 34 -99.5 -98.8 185.63 266 -99.4 -11.0 186.33 267 134 -99.2 -12.2 187.03 268 -99.1 -13.5 187.73 188.73 187.73 269 135 68 -98.9 -14.7 188.44 270 -98.9 -14.7 188.44 270 189.14 188.44 270 189.14 188.44 270 189.14 188.44 270 189.14 188.44 270 189.14 195.9 14.7 188.44 270 189.14 195.9 189.14 195.9 189.14 195.5 191.25 271 136 -98.7 -15.9 189.14 195.5 191.25 273 137 69 35 18 -97.8 -20.7 191.95	260						-99.9	-3.7	182.11
263 132 -99.7 -7.4 184.22 264 -99.6 -8.6 184.92 265 133 67 34 -99.5 -9.8 185.63 266 -99.1 -11.0 186.33 185.63 267 134 -99.2 -12.2 187.03 268 -99.1 -13.5 187.73 188.44 270 -98.9 -14.7 188.44 270 -98.7 -15.9 189.14 271 136 -98.5 -17.1 189.84 272 -98.3 -18.3 190.55 273 137 69 35 18 -98.1 -19.5 191.25 274 -97.8 -20.7 191.95 192.56 276 21.9 192.66 276 -97.3 -23.1 193.36 193.36 297 192.66 21.9 192.66 276 139 -90.0 -21.3 194.06 29.8 29.	261	131	66				-99.9	-4.9	182.81
264 -99.6 -8.6 184.92 265 133 67 34 -99.5 -9.8 185.63 266 -99.4 -11.0 186.33 185.63 185.63 185.63 186.33 187.03 187.03 187.03 187.03 187.03 187.03 187.73 188.44 187.03 187.73 188.44 188.44 198.7 -15.9 189.14 188.44 188.44 188.44 188.44 188.44 198.7 -15.9 189.14 188.44 188.44 198.7 -15.9 189.14 188.44 198.7 -15.9 189.14 191.47 188.44 190.55 -17.1 189.84 190.55 -17.1 189.84 190.55 -17.1 189.84 190.55 -17.1 189.84 190.55 -17.1 189.84 190.55 -17.1 189.84 190.55 -17.1 189.84 190.55 -17.1 189.84 190.55 -17.1 191.55 191.25 190.55 191.25 190.55 191.25	262						-99.8	-6.1	183.52
265 133 67 34 -99.5 -9.8 185.63 266 -91 -99.4 -11.0 186.33 267 134 -99.1 -13.5 187.73 268 -99.1 -13.5 187.73 269 135 68 -98.9 -14.7 188.44 270 -98.7 -15.9 189.14 271 136 -98.5 -17.1 189.84 272 -98.3 -18.3 190.55 273 137 69 35 18 -98.1 -19.5 191.25 274 -97.8 -20.7 191.95 191.25 192.66 275 138 -97.6 -21.9 192.66 276 -97.3 -23.1 193.36 193.36 277 139 70 -97.0 -24.3 194.06 278 -97.1 -97.0 -24.3 194.06 280 -96.7 -25.5 194.77	263	132					-99.7	-7.4	184.22
266 -99.4 -11.0 186.33 267 134 -99.2 -12.2 187.03 268 -99.1 -13.5 187.73 269 135 68 -98.9 -14.7 188.44 270 -98.7 -15.9 189.14 271 136 -98.5 -17.1 189.84 272 -98.3 -18.3 190.55 273 137 69 35 18 -98.1 -19.5 191.25 274 -97.8 -20.7 191.95 192.66 276 -97.8 -20.7 191.95 192.66 277 139 70 -97.3 -23.1 193.36 194.06 278 -96.7 -25.5 194.77 195.47 195.47 195.47 195.47 195.47<	264						-99.6	-8.6	184.92
267 134 -99.2 -12.2 187.03 268 -99.1 -13.5 187.73 187.73 269 135 68 -98.9 -14.7 188.44 270 -98.7 -15.9 189.14 271 136 -98.5 -17.1 189.84 272 -98.3 -18.3 190.55 273 137 69 35 18 -98.1 -19.5 191.25 274 -97.8 -97.6 -21.9 192.66 21.9 192.66 276 -97.3 -23.1 193.36 193.36 27.0 -24.3 194.06 278 -97.0 -94.3 194.06 -25.5 194.77 280 -96.7 -25.5 194.77 280 -96.7 -25.5 194.77 195.47 280 -96.0 -27.9 196.17 281 141 71 36 -95.7 -29.0 196.88 282 -95.3 -30.2 197.58 283 </td <td>265</td> <td>133</td> <td>67</td> <td>34</td> <td></td> <td></td> <td>-99.5</td> <td>-9.8</td> <td>185.63</td>	265	133	67	34			-99.5	-9.8	185.63
268 -99.1 -13.5 187.73 269 135 68 -98.9 -14.7 188.44 270 -98.7 -15.9 189.14 271 136 -98.5 -17.1 189.84 272 -98.3 -18.3 190.55 273 137 69 35 18 -98.1 -19.5 191.25 274 -97.8 -20.7 191.95 192.66 276 -97.6 -21.9 192.66 276 -97.3 -23.1 193.36 277 139 70 -97.0 -24.3 194.06 278 -96.7 -25.5 194.77 279 140 -96.6 -27.9 196.17 281 141 71 36 -95.7 -29.0 196.88 282 -95.3 -30.2	266						-99.4	-11.0	186.33
269 135 68 -98.9 -14.7 188.44 270 -98.7 -15.9 189.14 271 136 -98.5 -17.1 189.84 272 -98.3 -18.3 190.55 273 137 69 35 18 -98.1 -19.5 191.25 274 -97.8 -20.7 191.95 227 191.95 227 191.95 227 191.95 227 191.95 227 191.95 228.1 193.36 227 192.66 221.9 192.66 227.9 192.66 227.9 192.66 227.9 192.66 227.9 192.66 227.9 192.66 227.9 194.06 227.9 194.06 228.1 193.36 228.1 193.36 228.1 194.06 228.1 194.06 228.1 194.06 227.9 196.07 225.5 194.77 229.0 196.88 228.1 296.0 227.9 196.17 228.1 195.7 229.0 196.88 </td <td>267</td> <td>134</td> <td></td> <td></td> <td></td> <td></td> <td>-99.2</td> <td>-12.2</td> <td>187.03</td>	267	134					-99.2	-12.2	187.03
270 98.7 -15.9 189.14 271 136 98.5 -17.1 189.84 272 98.3 -18.3 190.55 273 137 69 35 18 -98.1 -19.5 191.25 274 97.8 -20.7 191.95 192.66 276 97.3 -23.1 193.36 277 139 70 -97.0 -24.3 194.06 278 96.7 -25.5 194.77 193.36 279 140 96.7 -25.5 194.77 280 96.7 -25.5 194.77 281 141 71 36 -95.7 -29.0 196.88 282 95.3 -30.2 197.58 198.98 283 142 99.6 -95.7 -29.0 196.88 284 94.6 -32.5 198.98 285 143 72 -94.2 -33.7 199.69	268						-99.1	-13.5	187.73
271 136 -98.5 -17.1 189.84 272 -98.3 -18.3 190.55 273 137 69 35 18 -98.1 -19.5 191.25 274 -97.8 -20.7 191.95 192.66 275 138 -97.6 -21.9 192.66 276 -97.3 -23.1 193.36 277 139 70 -97.0 -24.3 194.06 278 -96.7 -25.5 194.77 195.47 195.47 195.47 195.47 195.47 195.47 195.47 196.4 -26.7 195.47 195.47 196.4 -26.7 195.47 195.47 196.0 -27.9 196.17 196.0 -27.9 196.17 195.47 195.47 195.47 195.47 195.47 195.47 196.0 -27.9 196.17 196.0 195.47 195.47 196.0 -27.9 196.17 196.0 196.0 197.9 196.0 196.0 197.5 <td>269</td> <td>135</td> <td>68</td> <td></td> <td></td> <td></td> <td>-98.9</td> <td>-14.7</td> <td>188.44</td>	269	135	68				-98.9	-14.7	188.44
272 -98.3 -18.3 190.55 273 137 69 35 18 -98.1 -19.5 191.25 274 -97.8 -20.7 191.95 192.66 275 138 -97.6 -21.9 192.66 276 -97.3 -23.1 193.36 277 139 70 -97.0 -24.3 194.06 278 -96.7 -25.5 194.77 195.47 280 -96.4 -26.7 195.47 280 -96.0 -27.9 196.17 281 141 71 36 -95.7 -29.0 196.88 282 -95.3 -30.2 197.58 283 142 -95.0 -31.4 198.28 284 -94.6 -32.5 198.98 285 143 72 -94.2 -33.7 199.69 285 143 72 -94.2 -33.7 199.69 288 -92.9 -37.1 201.80 </td <td>270</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-98.7</td> <td>-15.9</td> <td>189.14</td>	270						-98.7	-15.9	189.14
273 137 69 35 18 -98.1 -19.5 191.25 274 -97.8 -20.7 191.95 275 138 -97.6 -21.9 192.66 276 -97.3 -23.1 193.36 277 139 70 -97.0 -24.3 194.06 278 -96.7 -25.5 194.77 279 140 -96.4 -26.7 195.47 280 -96.0 -27.9 196.17 281 141 71 36 -95.7 -29.0 196.88 282 -95.3 -30.2 197.58 283 142 198.28 284 -94.6 -32.5 198.98 198.98 285 143 72 -94.6 -32.5 198.98 285 143 72 -94.2 -33.7 199.69 286 -93.7 -34.8 200.39 203.20 287 144 -93.3 <	271	136					-98.5	-17.1	189.84
274 -97.8 -20.7 191.95 275 138 -97.6 -21.9 192.66 276 -97.3 -23.1 193.36 277 139 70 -97.0 -24.3 194.06 278 -96.7 -25.5 194.77 279 140 -96.4 -26.7 195.47 280 -96.0 -27.9 196.17 281 141 71 36 -95.7 -29.0 196.88 282 -95.3 -30.2 197.58 -88 -95.0 -31.4 198.28 284 -94.6 -32.5 198.98 -94.6 -32.5 198.98 285 143 72 -94.2 -33.7 199.69 286 -93.7 -34.8 200.39 -93.7 -34.8 200.39 287 144 -93.3 -36.0 201.09 -93.1 201.80 289 145 73 37 19 10	272						-98.3	-18.3	190.55
275 138 -97.6 -21.9 192.66 276 -97.3 -23.1 193.36 277 139 70 -97.0 -24.3 194.06 278 -96.7 -25.5 194.77 279 140 -96.4 -26.7 195.47 280 -96.0 -27.9 196.17 281 141 71 36 -95.7 -29.0 196.88 282 -95.3 -30.2 197.58 198.98 283 142 -95.0 -31.4 198.28 284 -94.6 -32.5 198.98 285 143 72 -94.2 -33.7 199.69 286 -93.7 -34.8 200.39 287 144 -93.3 -36.0 201.09 288 -92.9 -37.1 201.80 289 145 73 37 19 10 -92.4 -38.3 202.50 290	273	137	69	35	18		-98.1	-19.5	191.25
276 -97.3 -23.1 193.36 277 139 70 -97.0 -24.3 194.06 278 -96.7 -25.5 194.77 279 140 -96.4 -26.7 195.47 280 -96.0 -27.9 196.17 281 141 71 36 -95.7 -29.0 196.88 282 -95.3 -30.2 197.58 283 142 -95.0 -31.4 198.28 284 -94.6 -32.5 198.98 285 143 72 -94.2 -33.7 199.69 286 -93.7 -34.8 200.39 287 144 -93.3 -36.0 201.09 288 -92.9 -37.1 201.80 289 145 73 37 19 10 -92.4 -38.3 202.50 290 -91.9 -91.4 -40.5 203.91 203.20 291 <t< td=""><td>274</td><td></td><td></td><td></td><td></td><td></td><td>-97.8</td><td>-20.7</td><td>191.95</td></t<>	274						-97.8	-20.7	191.95
277 139 70 -97.0 -24.3 194.06 278 -96.7 -25.5 194.77 279 140 -96.4 -26.7 195.47 280 -96.0 -27.9 196.17 281 141 71 36 -95.7 -29.0 196.88 282 -95.3 -30.2 197.58 283 142 -95.0 -31.4 198.28 284 -94.6 -32.5 198.98 285 143 72 -94.2 -33.7 199.69 286 -93.7 -34.8 200.39 287 144 -93.3 -36.0 201.09 288 -92.9 -37.1 201.80 289 145 73 37 19 10 -92.4 -38.3 202.50 290 -91.9 -91.9 -39.4 203.20 291.4 -40.5 203.91 292 -90.9 -41.6 204.61	275	138					-97.6	-21.9	192.66
278 -96.7 -25.5 194.77 279 140 -96.4 -26.7 195.47 280 -96.0 -27.9 196.17 281 141 71 36 -95.7 -29.0 196.88 282 -95.3 -30.2 197.58 283 142 -95.0 -31.4 198.28 284 -94.6 -32.5 198.98 285 143 72 -94.2 -33.7 199.69 286 -93.7 -34.8 200.39 203.9 287 144 -93.3 -36.0 201.09 288 -92.9 -37.1 201.80 289 145 73 37 19 10 -92.4 -38.3 202.50 290 -91.9 -39.4 203.20 291 40.5 203.91 291.4 -40.5 203.91 292.4 -40.5 203.91 292.5 296.9 -41.6 204.61 293.1	276						-97.3	-23.1	193.36
279 140 -96.4 -26.7 195.47 280 -96.0 -27.9 196.17 281 141 71 36 -95.7 -29.0 196.88 282 -95.3 -30.2 197.58 283 142 -95.0 -31.4 198.28 284 -94.6 -32.5 198.98 285 143 72 -94.2 -33.7 199.69 286 -93.7 -34.8 200.39 287 144 -93.3 -36.0 201.09 288 -92.9 -37.1 201.80 289 145 73 37 19 10 -92.4 -38.3 202.50 290 -91.9 -39.4 203.20 201.09 -39.4 203.20 291 146 -91.4 -40.5 203.91 202.20 291 146 -90.9 -41.6 204.61 204.61 204.61 204.61 204.61 205	277	139	70				-97.0	-24.3	194.06
280 -96.0 -27.9 196.17 281 141 71 36 -95.7 -29.0 196.88 282 -95.3 -30.2 197.58 283 142 -95.0 -31.4 198.28 284 -94.6 -32.5 198.98 285 143 72 -94.2 -33.7 199.69 286 -93.7 -34.8 200.39 287 144 -93.3 -36.0 201.09 288 -92.9 -37.1 201.80 289 145 73 37 19 10 -92.4 -38.3 202.50 290 -91.9 -39.4 203.20 291 146 -91.4 -40.5 203.91 292 -90.9 -41.6 204.61 293.14 -40.5 203.91 293 147 74 -90.4 -42.8 205.31 294 -89.9 -43.9 206.02 295	278						-96.7	-25.5	194.77
281 141 71 36 -95.7 -29.0 196.88 282 -95.3 -30.2 197.58 283 142 -95.0 -31.4 198.28 284 -94.6 -32.5 198.98 285 143 72 -94.2 -33.7 199.69 286 -93.7 -34.8 200.39 287 144 -93.3 -36.0 201.09 288 -92.9 -37.1 201.80 289 145 73 37 19 10 -92.4 -38.3 202.50 290 -91.9 -39.4 203.20 291 146 -91.4 -40.5 203.91 292 -90.9 -41.6 204.61 293.14 -40.5 203.91 292 -90.9 -41.6 204.61 293.1 -89.9 -43.9 206.02 295 148 -89.3 -45.0 206.72 296 -88.8 -46.1 </td <td>279</td> <td>140</td> <td></td> <td></td> <td></td> <td></td> <td>-96.4</td> <td>-26.7</td> <td>195.47</td>	279	140					-96.4	-26.7	195.47
282 -95.3 -30.2 197.58 283 142 -95.0 -31.4 198.28 284 -94.6 -32.5 198.98 285 143 72 -94.2 -33.7 199.69 286 -93.7 -34.8 200.39 287 144 -93.3 -36.0 201.09 288 -92.9 -37.1 201.80 289 145 73 37 19 10 -92.4 -38.3 202.50 290 -91.9 -39.4 203.20 291.4 -40.5 203.91 292 -90.9 -41.6 204.61 204.61 293.14 74 -90.4 -42.8 205.31 294 -89.9 -43.9 206.02 295.14 89.9 -43.9 206.02 295 148 -89.3 -45.0 206.72 296 -88.8 -46.1 207.42 297 149 75 38 -88.2 -	280						-96.0	-27.9	196.17
283 142 -95.0 -31.4 198.28 284 -94.6 -32.5 198.98 285 143 72 -94.2 -33.7 199.69 286 -93.7 -34.8 200.39 287 144 -93.3 -36.0 201.09 288 -92.9 -37.1 201.80 289 145 73 37 19 10 -92.4 -38.3 202.50 290 -91.9 -39.4 203.20 291 292.50 293.4 203.20 291 146 -91.4 -40.5 203.91 292.20 296.90 -41.6 204.61 203.91 292.20 296.02	281	141	71	36			-95.7	-29.0	196.88
284 -94.6 -32.5 198.98 285 143 72 -94.2 -33.7 199.69 286 -93.7 -34.8 200.39 287 144 -93.3 -36.0 201.09 288 -92.9 -37.1 201.80 289 145 73 37 19 10 -92.4 -38.3 202.50 290 -91.9 -39.4 203.20 205.00 201.40 202.50 202.50 209.14 203.20 209.14 203.20 209.14 203.20 209.14 203.20 209.14 203.20 209.14 203.20 209.14 203.20 209.9 -41.6 204.61 203.91 209.9 -41.6 204.61 203.91 209.9 -41.6 204.61 203.91 209.14 -42.8 205.31 209.31 209.31 209.31 209.31 209.32 209.32 209.32 209.32 209.32 209.32 209.33 209.33 209.53 209.53	282						-95.3	-30.2	197.58
285 143 72 -94.2 -33.7 199.69 286 -93.7 -34.8 200.39 287 144 -93.3 -36.0 201.09 288 -92.9 -37.1 201.80 289 145 73 37 19 10 -92.4 -38.3 202.50 290 -91.9 -39.4 203.20 203.20 291.4 -40.5 203.91 292 -91.4 -40.5 203.91 206.02 296.02 -90.9 -41.6 204.61 293 147 74 -90.4 -42.8 205.31 296.02 295 148 -89.9 -43.9 206.02 295 148 -89.3 -45.0 206.72 296 -88.8 -46.1 207.42 297 149 75 38 -88.2 -47.1 208.13 298 -87.6 -48.2 208.83 299 150 -87.0 <td>283</td> <td>142</td> <td></td> <td></td> <td></td> <td></td> <td>-95.0</td> <td>-31.4</td> <td>198.28</td>	283	142					-95.0	-31.4	198.28
286 -93.7 -34.8 200.39 287 144 -93.3 -36.0 201.09 288 -92.9 -37.1 201.80 289 145 73 37 19 10 -92.4 -38.3 202.50 290 -91.9 -39.4 203.20 203.20 291 146 -91.4 -40.5 203.91 292 -90.9 -41.6 204.61 293 147 74 -90.4 -42.8 205.31 294 -89.9 -43.9 206.02 295 148 -89.3 -45.0 206.72 296 -88.8 -46.1 207.42 297 149 75 38 -88.2 -47.1 208.13 298 -87.6 -48.2 208.83 299 150 -87.0 -49.3 209.53 300 -86.4 -50.4 210.23 301 151 76	284						-94.6	-32.5	198.98
287 144 -93.3 -36.0 201.09 288 -92.9 -37.1 201.80 289 145 73 37 19 10 -92.4 -38.3 202.50 290 -91.9 -39.4 203.20 203.20 291 146 -91.4 -40.5 203.91 292 -90.9 -41.6 204.61 203.91 293 147 74 -90.4 -42.8 205.31 294 -89.9 -43.9 206.02 295 148 -89.3 -45.0 206.72 296 -88.8 -46.1 207.42 297 149 75 38 -88.2 -47.1 208.13 298 -87.6 -48.2 208.83 299 150 -87.0 -49.3 209.53 300 -86.4 -50.4 210.23 301 151 76 -85.8 -51.4 210.94 <	285	143	72				-94.2	-33.7	199.69
288 -92.9 -37.1 201.80 289 145 73 37 19 10 -92.4 -38.3 202.50 290 -91.9 -39.4 203.20 203.20 291 146 -91.4 -40.5 203.91 292 -90.9 -41.6 204.61 293 147 74 -90.4 -42.8 205.31 294 -89.9 -43.9 206.02 295 148 -89.3 -45.0 206.72 296 -88.8 -46.1 207.42 297 149 75 38 -88.2 -47.1 208.13 298 -87.6 -48.2 208.83 299 150 -87.0 -49.3 209.53 300 -86.4 -50.4 210.23 301 151 76 -85.8 -51.4 210.94 302 -85.1 -52.5 211.64	286						-93.7	-34.8	200.39
289 145 73 37 19 10 -92.4 -38.3 202.50 290 -91.9 -39.4 203.20 291 146 -91.4 -40.5 203.91 292 -90.9 -41.6 204.61 293 147 74 -90.4 -42.8 205.31 294 -89.9 -43.9 206.02 295 148 -89.3 -45.0 206.72 296 -88.8 -46.1 207.42 297 149 75 38 -88.2 -47.1 208.13 298 -87.6 -48.2 208.83 299 150 -87.0 -49.3 209.53 300 -86.4 -50.4 210.23 301 151 76 -85.8 -51.4 210.94 302 -85.1 -52.5 211.64	287	144					-93.3	-36.0	201.09
290 -91.9 -39.4 203.20 291 146 -91.4 -40.5 203.91 292 -90.9 -41.6 204.61 293 147 74 -90.4 -42.8 205.31 294 -89.9 -43.9 206.02 295 148 -89.3 -45.0 206.72 296 -88.8 -46.1 207.42 297 149 75 38 -88.2 -47.1 208.13 298 -87.6 -48.2 208.83 299 150 -87.0 -49.3 209.53 300 -86.4 -50.4 210.23 301 151 76 -85.8 -51.4 210.94 302 -85.1 -52.5 211.64	288						-92.9	-37.1	201.80
291 146 -91.4 -40.5 203.91 292 -90.9 -41.6 204.61 293 147 74 -90.4 -42.8 205.31 294 -89.9 -43.9 206.02 295 148 -89.3 -45.0 206.72 296 -88.8 -46.1 207.42 297 149 75 38 -88.2 -47.1 208.13 298 -87.6 -48.2 208.83 299 150 -87.0 -49.3 209.53 300 -86.4 -50.4 210.23 301 151 76 -85.8 -51.4 210.94 302 -85.1 -52.5 211.64	289	145	73	37	19	10	-92.4	-38.3	202.50
292 -90.9 -41.6 204.61 293 147 74 -90.4 -42.8 205.31 294 -89.9 -43.9 206.02 295 148 -89.3 -45.0 206.72 296 -88.8 -46.1 207.42 297 149 75 38 -88.2 -47.1 208.13 298 -87.6 -48.2 208.83 299 150 -87.0 -49.3 209.53 300 -86.4 -50.4 210.23 301 151 76 -85.8 -51.4 210.94 302 -85.1 -52.5 211.64	290						-91.9	-39.4	203.20
293 147 74 -90.4 -42.8 205.31 294 -89.9 -43.9 206.02 295 148 -89.3 -45.0 206.72 296 -88.8 -46.1 207.42 297 149 75 38 -88.2 -47.1 208.13 298 -87.6 -48.2 208.83 299 150 -87.0 -49.3 209.53 300 -86.4 -50.4 210.23 301 151 76 -85.8 -51.4 210.94 302 -85.1 -52.5 211.64	291	146					-91.4	-40.5	203.91
294 -89.9 -43.9 206.02 295 148 -89.3 -45.0 206.72 296 -88.8 -46.1 207.42 297 149 75 38 -88.2 -47.1 208.13 298 -87.6 -48.2 208.83 299 150 -87.0 -49.3 209.53 300 -86.4 -50.4 210.23 301 151 76 -85.8 -51.4 210.94 302 -85.1 -52.5 211.64	292						-90.9	-41.6	204.61
295 148 -89.3 -45.0 206.72 296 -88.8 -46.1 207.42 297 149 75 38 -88.2 -47.1 208.13 298 -87.6 -48.2 208.83 299 150 -87.0 -49.3 209.53 300 -86.4 -50.4 210.23 301 151 76 -85.8 -51.4 210.94 302 -85.1 -52.5 211.64	293	147	74				-90.4	-42.8	205.31
296 -88.8 -46.1 207.42 297 149 75 38 -88.2 -47.1 208.13 298 -87.6 -48.2 208.83 299 150 -87.0 -49.3 209.53 300 -86.4 -50.4 210.23 301 151 76 -85.8 -51.4 210.94 302 -85.1 -52.5 211.64	294						-89.9	-43.9	206.02
297 149 75 38 -88.2 -47.1 208.13 298 -87.6 -48.2 208.83 299 150 -87.0 -49.3 209.53 300 -86.4 -50.4 210.23 301 151 76 -85.8 -51.4 210.94 302 -85.1 -52.5 211.64	295	148					-89.3	-45.0	206.72
298 -87.6 -48.2 208.83 299 150 -87.0 -49.3 209.53 300 -86.4 -50.4 210.23 301 151 76 -85.8 -51.4 210.94 302 -85.1 -52.5 211.64	296						-88.8	-46.1	207.42
299 150 -87.0 -49.3 209.53 300 -86.4 -50.4 210.23 301 151 76 -85.8 -51.4 210.94 302 -85.1 -52.5 211.64	297	149	75	38			-88.2	-47.1	208.13
300 -86.4 -50.4 210.23 301 151 76 -85.8 -51.4 210.94 302 -85.1 -52.5 211.64	298						-87.6	-48.2	208.83
301 151 76 302 -85.8 -51.4 210.94 -85.1 -52.5 211.64	299	150					-87.0	-49.3	209.53
302 -85.1 -52.5 211.64	300						-86.4	-50.4	210.23
	301	151	76				-85.8	-51.4	210.94
303 152 -84.5 -53.5 212.34	302						-85.1	-52.5	211.64
· · · · · · · · · · · · · · · · · · ·	303	152					-84.5	-53.5	212.34

304											
306	304								-83.8	-54.5	213.05
307 154	305	153	77	39	20				-83.1	-55.6	213.75
308	306								-82.5	-56.6	214.45
309 155 78	307	154							-81.8	-57.6	215.16
310	308								-81.0	-58.6	215.86
311 156 -78.8 -61.5 217.97 312 -78.1 -62.5 218.67 313 157 79 40 -77.3 -63.4 219.38 314 -76.5 -64.4 220.08 315 158 -75.7 -65.3 220.78 316 -74.9 -66.2 221.48 317 159 80 -74.1 -67.2 222.19 318 -73.3 -68.1 222.89 319 160 -72.4 -69.0 223.59 320 -71.6 -69.8 224.30 321 161 81 41 21 11 6 3 -70.7 -70.7 225.00 322 -69.8 -71.6 -69.8 224.30 227.11 225.70 225.70 225.70 225.70 225.70 225.70 225.70 225.70 225.70 225.70 225.70 225.70 225.70 225.70 225.70 225.70	309	155	78						-80.3	-59.6	216.56
312	310								-79.6	-60.6	217.27
313 157 79 40 -77.3 -63.4 219.38 314 -76.5 -64.4 220.08 315 158 -75.7 -65.3 220.78 316 -74.9 -66.2 221.48 317 159 80 -74.1 -67.2 222.19 318 -73.3 -68.1 222.89 319 160 -72.4 -69.0 223.59 320 -71.6 -69.8 224.30 321 161 81 41 21 1 6 3.70.7 -70.7 225.00 322 -69.8 -71.6 -69.8 271.6 225.70 323 162 -69.0 -72.4 226.41 324 -68.1 -73.3 227.11 325 163 82 -67.2 -74.1 227.81 326 -66.2 -74.9 228.52 327 164 -65.3 -75.7 229.22	311	156							-78.8	-61.5	217.97
314 -76.5 -64.4 220.08 315 158 -75.7 -65.3 220.78 316 -74.9 -66.2 221.48 317 159 80 -74.1 -67.2 222.19 318 -73.3 -68.1 222.89 319 160 -72.4 -69.0 223.59 320 -71.6 -69.8 224.30 321 161 81 41 21 11 6 3 -70.7 -70.7 225.00 322	312								-78.1	-62.5	218.67
315 158	313	157	79	40					-77.3	-63.4	219.38
316	314								-76.5	-64.4	220.08
317 159 80 -74.1 -67.2 222.19 318 -73.3 -68.1 222.89 319 160 -72.4 -69.0 223.59 320 -71.6 -69.8 224.30 321 161 81 41 21 11 6 3 -70.7 -70.7 225.00 322 -69.8 -71.6 225.70 225.00 -69.8 -71.6 225.70 323 162 -69.8 -71.6 225.70 -69.8 -71.6 225.70 323 162 -69.0 -72.4 226.41 -224.1 -226.41 324 -68.1 -73.3 227.11 227.81 -227.81 326 -66.2 -74.9 228.52 -28.52 -232.73 327 164 -65.3 -75.7 229.22 -229.22 -229.22 -229.22 -229.22 -229.22 -229.22 -229.22 -229.22 -229.22 -229.22 -229.22	315	158							-75.7	-65.3	220.78
318 -73.3 -68.1 222.89 319 160 -72.4 -69.0 223.59 320 -71.6 -69.8 224.30 321 161 81 41 21 11 6 3 -70.7 -70.7 225.00 322 -69.8 -71.6 225.70 225.70 225.70 225.00 322 -69.8 -71.6 225.70 323 162 -69.0 -72.4 226.41 226.41 324 -68.1 -73.3 227.11 225.70 325 163 82 -67.2 -74.1 227.81 326 -66.2 -74.9 228.52 327.11 325.6 -66.2 -74.9 228.52 327.11 325.6 -66.2 -74.9 228.52 327.11 323.6 -66.2 -74.9 228.52 327.31 330.6 -65.3 -75.7 229.22 228.52 329.22 329.22 329.22 329.22 329.23 329.23 329.23 <	316								-74.9	-66.2	221.48
319 160 -72.4 -69.0 223.59 320 -71.6 -69.8 224.30 321 161 81 41 21 11 6 3 -70.7 -70.7 225.00 322 -69.8 -71.6 225.70 225.00 -69.8 -71.6 225.70 323 162 -69.0 -72.4 226.41 226.41 -69.0 -72.4 226.41 324 -68.1 -73.3 227.11 227.81 325 163 82 -67.2 -74.1 227.81 326 -66.2 -74.9 228.52 327 164 -65.3 -75.7 229.22 328 -64.4 -76.5 229.92 329 329 165 83 42 -63.4 -77.3 230.63 330 -65.5 -78.1 231.33 331 166 -79.6 232.73 3331 166 -61.5 -78.8 232.03 33	317	159	80						-74.1	-67.2	222.19
320 -71.6 -69.8 224.30 321 161 81 41 21 11 6 3 -70.7 -70.7 225.00 322 -69.8 -71.6 225.70 225.00 -69.8 -71.6 225.70 323 162 -69.0 -72.4 226.41 226.41 -69.0 -72.4 226.41 324 -68.1 -73.3 227.11 227.81 227.81 227.81 227.81 227.81 227.81 228.52 227.44 227.81 228.52 228.52 228.52 228.52 228.52 228.52 228.52 228.52 228.52 228.52 228.52 229.22 228.52 229.22 228.52 229.22 228.52 229.22 229.22 229.22 229.22 229.22 229.22 232.73 230.63 230.63 230.63 230.63 230.63 230.63 230.63 230.63 231.33 231.33 231.33 231.34 231.33 231.33 231.33	318								-73.3	-68.1	222.89
321 161 81 41 21 11 6 3 -70.7 -70.7 225.00 322 -69.8 -71.6 225.70 225.70 225.70 225.70 225.70 225.70 225.71 226.41 226.41 226.41 226.41 226.41 226.41 226.41 226.41 226.41 226.41 226.41 227.11 227.81 227.11 227.81 227.11 227.81 227.81 227.81 227.81 227.81 227.81 228.52 228.52 228.52 228.52 228.52 228.52 228.52 228.52 228.52 228.52 228.52 229.22 228.52 229.22 228.52 229.22 228.52 229.22 229.22 229.22 229.22 229.22 229.22 229.22 229.22 232.73 230.63 230.63 230.63 230.63 230.63 230.63 230.63 230.63 231.33 231.33 231.33 231.33 231.33 231.33 231.33 231.34 232	319	160							-72.4	-69.0	223.59
322 -69.8 -71.6 225.70 323 162 -69.0 -72.4 226.41 324 -68.1 -73.3 227.11 325 163 82 -67.2 -74.1 227.81 326 -66.2 -74.9 228.52 232.52 327 164 -65.3 -75.7 229.22 328 -64.4 -76.5 229.92 329 165 83 42 -63.4 -77.3 230.63 330 -62.5 -78.1 231.33 231.33 231.33 231.33 231.33 231.33 232.73 232.73 232.73 233.34 -60.6 -79.6 232.73 233.34 -59.6 -80.3 233.44 234.84 234.84 -35.6 -81.0 234.14 234.84 234.84 234.84 236.25 235.55 235.55 235.55 235.55 237.66 -82.5 235.55 237.66 340 -52.5 -85.1 238.36 237.66 </td <td>320</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-71.6</td> <td>-69.8</td> <td>224.30</td>	320								-71.6	-69.8	224.30
323 162 -69,0 -72,4 226,41 324 -68,1 -73,3 227,11 325 163 82 -67,2 -74,1 227,81 326 -66,2 -74,9 228,52 327 164 -65,3 -75,7 229,22 328 -64,4 -76,5 229,92 329 165 83 42 -63,4 -77,3 230,63 330 -62,5 -78,1 231,33 331 166 -61,5 -78,8 232,03 332 -60,6 -79,6 232,73 333 167 84 -59,6 -80,3 233,44 334 -58,6 -81,0 234,14 335 168 -57,6 -81,8 234,84 336 -56,6 -82,5 235,55 337 169 85 43 22 -55,6 -83,1 236,25 338 -54,5 -83,8 <t< td=""><td>321</td><td>161</td><td>81</td><td>41</td><td>21</td><td>11</td><td>6</td><td>3</td><td>-70.7</td><td>-70.7</td><td>225.00</td></t<>	321	161	81	41	21	11	6	3	-70.7	-70.7	225.00
324 -68.1 -73.3 227.11 325 163 82 -67.2 -74.1 227.81 326 -66.2 -74.9 228.52 327 164 -65.3 -75.7 229.22 328 -64.4 -76.5 229.92 329 165 83 42 -63.4 -77.3 230.63 330 -62.5 -78.1 231.33 331 166 -61.5 -78.8 232.03 332 -60.6 -79.6 232.73 333 167 84 -59.6 -80.3 233.44 334 -58.6 -81.0 234.14 335 168 -57.6 -81.8 234.84 336 -56.6 -82.5 235.55 337 169 85 43 22 -55.6 -83.1 236.25 338 -54.5 -83.8 236.95 237.66 -84.5 237.66 340	322								-69.8	-71.6	225.70
325 163 82 -67.2 -74.1 227.81 326 -66.2 -74.9 228.52 327 164 -65.3 -75.7 229.22 328 -64.4 -76.5 229.92 329 165 83 42 -63.4 -77.3 230.63 330 -62.5 -78.1 231.33 331 166 -61.5 -78.8 232.03 332 -60.6 -79.6 232.73 333 167 84 -59.6 -80.3 233.44 334 -58.6 -81.0 234.14 234.14 335 168 -57.6 -81.8 234.84 336 -55.6 -82.5 235.55 337 169 85 43 22 -55.6 -83.1 236.25 338 -54.5 -83.8 236.95 339 170 -53.5 -84.5 237.66 340 -52.5 -85.1	323	162							-69.0	-72.4	226.41
326 -66.2 -74.9 228.52 327 164 -65.3 -75.7 229.22 328 -64.4 -76.5 229.92 329 165 83 42 -63.4 -77.3 230.63 330 -62.5 -78.1 231.33 331 166 -61.5 -78.8 232.03 332 -60.6 -79.6 232.73 333 167 84 -59.6 -80.3 233.44 334 -58.6 -81.0 234.14 335 168 -57.6 -81.8 234.84 336 -56.6 -82.5 235.55 337 169 85 43 22 -55.6 -83.1 236.25 338 -54.5 -83.8 236.95 237.66 340 -52.5 -85.1 238.36 341 171 86 -51.4 -85.8 239.06 342 -50.4 -86.4	324								-68.1	-73.3	227.11
327 164 -65.3 -75.7 229.22 328 -64.4 -76.5 229.92 329 165 83 42 -63.4 -77.3 230.63 330 -62.5 -78.1 231.33 331 166 -61.5 -78.8 232.03 332 -60.6 -79.6 232.73 333 167 84 -59.6 -80.3 233.44 334 -58.6 -81.0 234.14 335 168 -57.6 -81.8 234.84 336 -56.6 -82.5 235.55 337 169 85 43 22 -55.6 -83.1 236.25 338 -54.5 -83.8 236.95 237.66 340 -52.5 -85.1 238.36 341 171 86 -51.4 -85.8 239.06 342 -50.4 -86.4 239.77 343 172 -49.3 -87.0	325	163	82						-67.2	-74.1	227.81
328 -64.4 -76.5 229.92 329 165 83 42 -63.4 -77.3 230.63 330 -62.5 -78.1 231.33 331 166 -61.5 -78.8 232.03 332 -60.6 -79.6 232.73 333 167 84 -59.6 -80.3 233.44 334 -58.6 -81.0 234.14 335 168 -57.6 -81.8 234.84 336 -56.6 -82.5 235.55 337 169 85 43 22 -55.6 -83.1 236.25 338 -54.5 -83.8 236.95 237.66 340 -52.5 -85.1 238.36 341 171 86 -51.4 -85.8 239.06 342 -50.4 -86.4 239.77 240.47 344 -60.4 -60.4 -60.4 -60.4 240.47 344	326								-66.2	-74.9	228.52
329 165 83 42 -63.4 -77.3 230.63 330 -62.5 -78.1 231.33 331 166 -61.5 -78.8 232.03 332 -60.6 -79.6 232.73 333 167 84 -59.6 -80.3 233.44 334 -58.6 -81.0 234.14 335 168 -57.6 -81.8 234.84 336 -56.6 -82.5 235.55 337 169 85 43 22 -55.6 -83.1 236.25 338 -54.5 -83.8 236.95 237.66 -84.5 237.66 340 -52.5 -85.1 238.36 -51.4 -85.8 239.06 342 -50.4 -86.4 239.77 -49.3 -87.0 240.47 344 -49.3 -87.0 240.47 -48.2 -87.6 241.17 345 173 87 44 -47.1	327	164							-65.3	-75.7	229.22
330 -62.5 -78.1 231.33 331 166 -61.5 -78.8 232.03 332 -60.6 -79.6 232.73 333 167 84 -59.6 -80.3 233.44 334 -58.6 -81.0 234.14 335 168 -57.6 -81.8 234.84 336 -56.6 -82.5 235.55 337 169 85 43 22 -55.6 -83.1 236.25 338 -54.5 -83.8 236.95 237.66 340 -52.5 -85.1 238.36 341 171 86 -51.4 -85.8 239.06 342 -50.4 -86.4 239.77 243 -87.0 240.47 344 -49.3 -87.0 240.47 -48.2 -87.6 241.17 345 173 87 44 -47.1 -88.2 241.88 346 -46.1 -88.8	328								-64.4	-76.5	229.92
331 166 -61.5 -78.8 232.03 332 -60.6 -79.6 232.73 333 167 84 -59.6 -80.3 233.44 334 -58.6 -81.0 234.14 335 168 -57.6 -81.8 234.84 336 -56.6 -82.5 235.55 337 169 85 43 22 -55.6 -83.1 236.25 338 -54.5 -83.8 236.95 237.66 340 -52.5 -85.1 238.36 341 171 86 -51.4 -85.8 239.06 342 -50.4 -86.4 239.77 -49.3 -87.0 240.47 344 -48.2 -87.6 241.17 -48.2 -87.6 241.17 345 173 87 44 -46.1 -88.8 242.58	329	165	83	42					-63.4	-77.3	230.63
332 -60.6 -79.6 232.73 333 167 84 -59.6 -80.3 233.44 334 -58.6 -81.0 234.14 335 168 -57.6 -81.8 234.84 336 -56.6 -82.5 235.55 337 169 85 43 22 -55.6 -83.1 236.25 338 -54.5 -83.8 236.95 339 170 -53.5 -84.5 237.66 340 -52.5 -85.1 238.36 341 171 86 -51.4 -85.8 239.06 342 -50.4 -86.4 239.77 -49.3 -87.0 240.47 344 -48.2 -87.6 241.17 345 173 87 44 -47.1 -88.2 241.88 346 -46.1 -88.8 242.58	330								-62.5	-78.1	231.33
333 167 84 -59.6 -80.3 233.44 334 -58.6 -81.0 234.14 335 168 -57.6 -81.8 234.84 336 -56.6 -82.5 235.55 337 169 85 43 22 -55.6 -83.1 236.25 338 -54.5 -83.8 236.95 339 170 -53.5 -84.5 237.66 340 -52.5 -85.1 238.36 341 171 86 -51.4 -85.8 239.06 342 -50.4 -86.4 239.77 -49.3 -87.0 240.47 344 -49.3 -87.6 241.17 345 173 87 44 -47.1 -88.2 241.88 346 -46.1 -88.8 242.58	331	166							-61.5	-78.8	232.03
334 -58.6 -81.0 234.14 335 168 -57.6 -81.8 234.84 336 -56.6 -82.5 235.55 337 169 85 43 22 -55.6 -83.1 236.25 338 -54.5 -83.8 236.95 339 170 -53.5 -84.5 237.66 340 -52.5 -85.1 238.36 341 171 86 -51.4 -85.8 239.06 342 -50.4 -86.4 239.77 343 172 -49.3 -87.0 240.47 344 -48.2 -87.6 241.17 345 173 87 44 -47.1 -88.2 241.88 346 -46.1 -88.8 242.58	332								-60.6	-79.6	232.73
335 168 -57.6 -81.8 234.84 336 -56.6 -82.5 235.55 337 169 85 43 22 -55.6 -83.1 236.25 338 -54.5 -83.8 236.95 339 170 -53.5 -84.5 237.66 340 -52.5 -85.1 238.36 341 171 86 -51.4 -85.8 239.06 342 -50.4 -86.4 239.77 343 172 -49.3 -87.0 240.47 344 -48.2 -87.6 241.17 345 173 87 44 -47.1 -88.2 241.88 346 -46.1 -88.8 242.58	333	167	84						-59.6	-80.3	233.44
336 -56.6 -82.5 235.55 337 169 85 43 22 -55.6 -83.1 236.25 338 -54.5 -83.8 236.95 339 170 -53.5 -84.5 237.66 340 -52.5 -85.1 238.36 341 171 86 -51.4 -85.8 239.06 342 -50.4 -86.4 239.77 343 172 -49.3 -87.0 240.47 344 -48.2 -87.6 241.17 345 173 87 44 -47.1 -88.2 241.88 346 -46.1 -88.8 242.58	334								-58.6	-81.0	234.14
337 169 85 43 22 -55.6 -83.1 236.25 338 -54.5 -83.8 236.95 339 170 -53.5 -84.5 237.66 340 -52.5 -85.1 238.36 341 171 86 -51.4 -85.8 239.06 342 -50.4 -86.4 239.77 343 172 -49.3 -87.0 240.47 344 -48.2 -87.6 241.17 345 173 87 44 -47.1 -88.2 241.88 346 -46.1 -88.8 242.58	335	168							-57.6	-81.8	234.84
338 -54.5 -83.8 236.95 339 170 -53.5 -84.5 237.66 340 -52.5 -85.1 238.36 341 171 86 -51.4 -85.8 239.06 342 -50.4 -86.4 239.77 343 172 -49.3 -87.0 240.47 344 -48.2 -87.6 241.17 345 173 87 44 -47.1 -88.2 241.88 346 -46.1 -88.8 242.58	336								-56.6	-82.5	235.55
339 170 -53.5 -84.5 237.66 340 -52.5 -85.1 238.36 341 171 86 -51.4 -85.8 239.06 342 -50.4 -86.4 239.77 343 172 -49.3 -87.0 240.47 344 -48.2 -87.6 241.17 345 173 87 44 -47.1 -88.2 241.88 346 -46.1 -88.8 242.58	337	169	85	43	22				-55.6	-83.1	236.25
340 -52.5 -85.1 238.36 341 171 86 -51.4 -85.8 239.06 342 -50.4 -86.4 239.77 343 172 -49.3 -87.0 240.47 344 -48.2 -87.6 241.17 345 173 87 44 -47.1 -88.2 241.88 346 -46.1 -88.8 242.58	338								-54.5	-83.8	236.95
341 171 86 -51.4 -85.8 239.06 342 -50.4 -86.4 239.77 343 172 -49.3 -87.0 240.47 344 -48.2 -87.6 241.17 345 173 87 44 -47.1 -88.2 241.88 346 -46.1 -88.8 242.58	339	170							-53.5	-84.5	237.66
342 -50.4 -86.4 239.77 343 172 -49.3 -87.0 240.47 344 -48.2 -87.6 241.17 345 173 87 44 -47.1 -88.2 241.88 346 -46.1 -88.8 242.58	340								-52.5	-85.1	238.36
343 172 -49.3 -87.0 240.47 344 -48.2 -87.6 241.17 345 173 87 44 -47.1 -88.2 241.88 346 -46.1 -88.8 242.58	341	171	86						-51.4	-85.8	239.06
344 -48.2 -87.6 241.17 345 173 87 44 -47.1 -88.2 241.88 346 -46.1 -88.8 242.58	342								-50.4	-86.4	239.77
344 -48.2 -87.6 241.17 345 173 87 44 -47.1 -88.2 241.88 346 -46.1 -88.8 242.58	343	172							-49.3	-87.0	240.47
346 -46.1 -88.8 242.58	344								-48.2	-87.6	
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	346								-46.1	-88.8	242.58
	347	174							-45.0	-89.3	

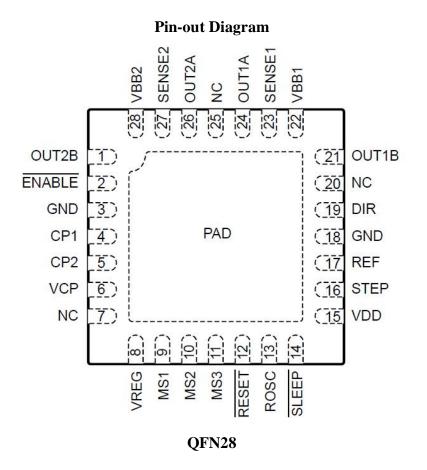
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350	348							-43.9	-89.9	243.98
351 176 40.5 -91.4 246.09 352 353 177 89 45 23 12 -38.3 -92.4 247.50 354 355 178 36.0 -93.3 248.20 355 178 36.0 -93.3 248.91 355 178 36.0 -34.8 -93.7 249.61 251.02 250.31 358 249.61 251.02 250.31 358 180 -31.4 -95.0 251.02 250.31 358 180 -31.4 -95.0 251.72 260.0 251.02 360 251.02 295.3 252.42 250.31 361 181 91 46 2-29.0 -95.7 253.13 362 277.9 -96.0 253.83 363 182 26.7 -96.4 254.53 364 2-27.9 -96.0 253.83 363 182 26.7 -96.4 254.53 364 260.7 -96.4 254.53 364 260.7 -96.4 <	349	175	88					-42.8	-90.4	244.69
352	350							-41.6	-90.9	245.39
353 177 89 45 23 12 -38.3 -92.4 247.50 354	351	176						-40.5	-91.4	246.09
354 8 -37.1 -92.9 248.20 355 178 -36.0 -93.3 248.91 356 -34.8 -93.7 249.61 357 179 90 -33.7 -94.2 250.31 358 -32.5 -94.6 251.02 360 -31.4 -95.0 251.72 360 -30.2 -95.3 252.42 361 181 91 46 -29.0 -95.7 253.13 362 -27.9 -96.0 253.83 363 182 -26.7 -96.4 254.53 363 182 -26.7 -96.4 254.53 365 183 92 -24.3 -97.0 255.94 366 -23.1 -97.3 256.64 257.34 -97.0 255.94 367 184 -21.9 -97.6 257.34 -97.0 255.94 368 -20.7 -97.8 258.05 -98.1 258.75	352							-39.4	-91.9	246.80
355 178 -36.0 -93.3 248.91 356 -34.8 -93.7 249.61 357 179 90 -33.7 -94.2 250.31 358 -32.5 -94.6 251.02 359 180 -31.4 -95.0 251.72 360 -30.2 -95.3 252.42 361 181 91 46 -29.0 -95.7 253.13 362 -27.9 -96.0 253.83 363 182 -26.7 -96.4 254.53 364 -25.5 -96.7 255.23 255.23 255.23 255.23 365 183 92 -24.3 -97.0 255.94 255.5 -96.7 255.23 366 255.3 365 184 -22.1 -97.3 256.64 257.34 368 260.7 -97.8 258.05 369 185 93 47 24 -19.5 -98.1 258.75 370 371 186 -17.1	353	177	89	45	23	12		-38.3	-92.4	247.50
356 -34.8 -93.7 249.61 357 179 90 -33.7 -94.2 250.31 358 -32.5 -94.6 251.02 359 180 -31.4 -95.0 251.72 360 -30.2 -95.3 252.42 361 181 91 46 -29.0 -95.7 253.13 362 -27.9 -96.0 253.83 363 182 -26.7 -96.4 254.53 364 -27.9 -96.0 253.83 -20.7 -96.4 254.53 365 183 92 -24.3 -97.0 255.94 366 -22.1 -97.3 256.64 367 184 -21.9 -97.6 257.34 368 -20.7 -97.8 258.05 369 185 93 47 24 -19.5 -98.1 258.75 370 -18.3 -98.1 258.75 -98.1	354							-37.1	-92.9	248.20
357 179 90 -33.7 -94.2 250.31 358 -32.5 -94.6 251.02 359 180 -31.4 -95.0 251.72 360 -30.2 -95.3 252.42 361 181 91 46 -29.0 -95.7 253.13 362 -27.9 -96.0 253.83 363 182 -26.7 -96.4 254.53 364 -29.0 -95.7 255.23 365 183 92 -24.3 -97.0 255.94 366 -23.1 -97.3 256.64 257.34 367 184 -21.9 -97.6 257.34 368 -20.7 -97.8 258.05 369 185 93 47 24 -19.5 -98.1 258.05 370 -11.1 -98.5 260.64 -17.1 -98.5 260.16 372 -18.6 -17.1 -98.5 260.16	355	178						-36.0	-93.3	248.91
358	356							-34.8	-93.7	249.61
359 180 -31.4 -95.0 251.72 360 -30.2 -95.3 252.42 361 181 91 46 -29.0 -95.7 253.13 362 -27.9 -96.0 253.83 363 182 -26.7 -96.4 254.53 364 -25.5 -96.7 255.23 365 183 92 -24.3 -97.0 255.94 366 -23.1 -97.3 256.64 367 184 -21.9 -97.6 257.34 368 -20.7 -97.8 258.05 369 185 93 47 24 -19.5 -98.1 258.75 370 -18.3 -98.3 259.45 257.34 -18.3 -98.3 259.45 371 186 -17.1 -98.5 260.16 262.77 375 188 -14.7 -98.9 261.56 377 189 95 48	357	179	90					-33.7	-94.2	250.31
360 -30.2 -95.3 252.42 361 181 91 46 -29.0 -95.7 253.13 362 -27.9 -96.0 253.83 363 182 -26.7 -96.4 254.53 364 -25.5 -96.7 255.23 365 183 92 -24.3 -97.0 255.94 366 -23.1 -97.3 256.64 367 184 -21.9 -97.6 257.34 368 -20.7 -97.8 258.05 369 185 93 47 24 -19.5 -98.1 258.75 370 -18.3 -98.3 259.45 -17.1 -98.5 260.16 372 -15.9 -98.7 260.86 -17.1 -98.5 260.16 372 -14.7 -98.9 261.56 -14.7 -98.9 261.56 374 -15.9 -98.7 260.86 -14.7 -98.9 261.56	358							-32.5	-94.6	251.02
361 181 91 46 -29.0 -95.7 253.13 362 -27.9 -96.0 253.83 363 182 -26.7 -96.4 254.53 364 -25.5 -96.7 255.23 365 183 92 -24.3 -97.0 255.94 366 -23.1 -97.3 256.64 367 184 -21.9 -97.6 257.34 368 -20.7 -97.8 258.05 369 185 93 47 24 -19.5 -98.1 258.75 370 -18.3 -98.3 259.45 257.34 259.45 257.34 259.45 371 186 -17.1 -98.5 260.16 257.34 259.45 257.34 259.45 257.34 259.45 257.34 258.75 260.16 372 -18.3 -98.3 259.45 257.34 259.45 257.34 259.45 257.34 259.45 257.34 259.45	359	180						-31.4	-95.0	251.72
362 -27.9 -96.0 253.83 363 182 -26.7 -96.4 254.53 364 -25.5 -96.7 255.23 365 183 92 -24.3 -97.0 255.94 366 -23.1 -97.3 256.64 367 184 -21.9 -97.6 257.34 368 -20.7 -97.8 258.05 369 185 93 47 24 -19.5 -98.1 258.75 370 -18.3 -98.3 259.45 257.34 258.05 260.16 372 -18.3 -98.5 260.16 257.34 260.86 273.1 298.7 260.86 373 187 94 -14.7 -98.9 261.56 374 -13.5 -99.1 262.27 375 188 -12.2 -99.2 262.97 376 -11.0 -99.4 263.67 377 189 95 48 -9.8 -99.5 264.38	360							-30.2	-95.3	252.42
363 182 -26.7 -96.4 254.53 364 -25.5 -96.7 255.23 365 183 92 -24.3 -97.0 255.94 366 -23.1 -97.3 256.64 367 184 -21.9 -97.6 257.34 368 -20.7 -97.8 258.05 369 185 93 47 24 -19.5 -98.1 258.75 370 -18.3 -98.3 259.45 257.34 258.75 260.16 372 -18.3 -98.3 259.45 260.16 272 260.16 272 260.86 273 274 -98.7 260.86 261.56 261.56 374 -14.7 -98.9 261.56 374 -14.7 -98.9 261.56 262.27 375 188 -12.2 -99.2 262.97 376 -11.0 -99.4 263.67 377 189 95 48 -9.8 -99.5 264.38 378 </td <td>361</td> <td>181</td> <td>91</td> <td>46</td> <td></td> <td></td> <td></td> <td>-29.0</td> <td>-95.7</td> <td>253.13</td>	361	181	91	46				-29.0	-95.7	253.13
364 -25.5 -96.7 255.23 365 183 92 -24.3 -97.0 255.94 366 -23.1 -97.3 256.64 367 184 -21.9 -97.6 257.34 368 -20.7 -97.8 258.05 369 185 93 47 24 -19.5 -98.1 258.75 370 -18.3 -98.3 259.45 259.45 371 186 -17.1 -98.5 260.16 372 -15.9 -98.7 260.86 373 187 94 -14.7 -98.9 261.56 374 -13.5 -99.1 262.27 262.27 375 188 -12.2 -99.2 262.97 376 -11.0 -99.4 263.67 377 189 95 48 -9.8 -99.5 264.38 378 -8.6 -99.6 265.08 265.08 379	362							-27.9	-96.0	253.83
365 183 92 -24.3 -97.0 255.94 366 -23.1 -97.3 256.64 367 184 -21.9 -97.6 257.34 368 -20.7 -97.8 258.05 369 185 93 47 24 -19.5 -98.1 258.75 370 -18.3 -98.3 259.45 259.45 371 186 -17.1 -98.5 260.16 372 -15.9 -98.7 260.86 373 187 94 -14.7 -98.9 261.56 374 -13.5 -99.1 262.27 262.27 375 188 -12.2 -99.2 262.97 376 -11.0 -99.4 263.67 377 189 95 48 -9.8 -99.5 264.38 378 -8.6 -99.6 265.08 379 190 -7.4 -99.7 265.78 380 <td< td=""><td>363</td><td>182</td><td></td><td></td><td></td><td></td><td></td><td>-26.7</td><td>-96.4</td><td>254.53</td></td<>	363	182						-26.7	-96.4	254.53
366 -23.1 -97.3 256.64 367 184 -21.9 -97.6 257.34 368 -20.7 -97.8 258.05 369 185 93 47 24 -19.5 -98.1 258.75 370 -18.3 -98.3 259.45 259.45 371 186 -17.1 -98.5 260.16 372 -15.9 -98.7 260.86 373 187 94 -14.7 -98.9 261.56 374 -13.5 -99.1 262.27 27 375 188 -12.2 -99.2 262.97 376 -11.0 -99.4 263.67 377 189 95 48 -9.8 -99.5 264.38 378 -8.6 -99.6 265.08 379 190 -7.4 -99.7 265.78 380 -6.1 -99.8 264.48 381 191 96 -4.9	364							-25.5	-96.7	255.23
367 184 -21.9 -97.6 257.34 368 -20.7 -97.8 258.05 369 185 93 47 24 -19.5 -98.1 258.75 370 -18.3 -98.3 259.45 259.45 371 186 -17.1 -98.5 260.16 372 -15.9 -98.7 260.86 373 187 94 -14.7 -98.9 261.56 374 -13.5 -99.1 262.27 262.97 27.37 188 -12.2 -99.2 262.97 267.37 376 -11.0 -99.4 263.67 267.37 377 189 95 48 -9.8 -99.5 264.38 378 -8.6 -99.6 265.08 379 190 -7.4 -99.7 265.78 380 -6.1 -99.8 266.48 381 191 96 -4.9 -99.9 267.19 382 -3.7 -99.9 267.89 383 192	365	183	92					-24.3	-97.0	255.94
368 -20.7 -97.8 258.05 369 185 93 47 24 -19.5 -98.1 258.75 370 -18.3 -98.3 259.45 371 186 -17.1 -98.5 260.16 372 -15.9 -98.7 260.86 373 187 94 -14.7 -98.9 261.56 374 -13.5 -99.1 262.27 262.27 375 188 -12.2 -99.2 262.97 376 -11.0 -99.4 263.67 377 189 95 48 -9.8 -99.5 264.38 378 -8.6 -99.6 265.08 265.08 379 190 -7.4 -99.7 265.78 380 -6.1 -99.8 266.48 381 191 96 -4.9 -99.9 267.19 382 -3.7 -99.9 267.89 383 192 -2	366							-23.1	-97.3	256.64
369 185 93 47 24 -19.5 -98.1 258.75 370 -18.3 -98.3 259.45 371 186 -17.1 -98.5 260.16 372 -15.9 -98.7 260.86 373 187 94 -14.7 -98.9 261.56 374 -13.5 -99.1 262.27 262.27 375 188 -12.2 -99.2 262.97 376 -11.0 -99.4 263.67 377 189 95 48 -9.8 -99.5 264.38 378 -8.6 -99.6 265.08 265.08 379 190 -7.4 -99.7 265.78 380 -6.1 -99.8 266.48 381 191 96 -4.9 -99.9 267.19 382 -3.7 -99.9 267.89 383 192 -2.5 -100.0 268.59 384 -1	367	184						-21.9	-97.6	257.34
370 -18.3 -98.3 259.45 371 186 -17.1 -98.5 260.16 372 -15.9 -98.7 260.86 373 187 94 -14.7 -98.9 261.56 374 -13.5 -99.1 262.27 375 188 -12.2 -99.2 262.97 376 -11.0 -99.4 263.67 377 189 95 48 -9.8 -99.5 264.38 378 -8.6 -99.6 265.08 379 190 -7.4 -99.7 265.78 380 -6.1 -99.8 266.48 381 191 96 -4.9 -99.9 267.19 382 -3.7 -99.9 267.89 383 192 -2.5 -100.0 268.59 384 -1.2 -100.0 269.30 385 193 97 49 25 13 7 0.0	368							-20.7	-97.8	258.05
371 186 -17.1 -98.5 260.16 372 -15.9 -98.7 260.86 373 187 94 -14.7 -98.9 261.56 374 -13.5 -99.1 262.27 375 188 -12.2 -99.2 262.97 376 -11.0 -99.4 263.67 377 189 95 48 -9.8 -99.5 264.38 378 -8.6 -99.6 265.08 379 190 -7.4 -99.7 265.78 380 -6.1 -99.8 266.48 381 191 96 -4.9 -99.9 267.19 382 -3.7 -99.9 267.89 383 192 -2.5 -100.0 268.59 384 -1.2 -100.0 269.30 385 193 97 49 25 13 7 0.0 -100.0 270.00 386 1.2	369	185	93	47	24			-19.5	-98.1	258.75
372 -15.9 -98.7 260.86 373 187 94 -14.7 -98.9 261.56 374 -13.5 -99.1 262.27 375 188 -12.2 -99.2 262.97 376 -11.0 -99.4 263.67 377 189 95 48 -9.8 -99.5 264.38 378 -8.6 -99.6 265.08 265.08 379 190 -7.4 -99.7 265.78 380 -6.1 -99.8 266.48 381 191 96 -4.9 -99.9 267.19 382 -3.7 -99.9 267.89 383 192 -2.5 -100.0 268.59 384 -1.2 -100.0 269.30 385 193 97 49 25 13 7 0.0 -100.0 270.00 386 1.2 -100.0 270.70 271.41 388 3.7 </td <td>370</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-18.3</td> <td>-98.3</td> <td>259.45</td>	370							-18.3	-98.3	259.45
373 187 94 -14.7 -98.9 261.56 374 -13.5 -99.1 262.27 375 188 -12.2 -99.2 262.97 376 -11.0 -99.4 263.67 377 189 95 48 -9.8 -99.5 264.38 378 -8.6 -99.6 265.08 379 190 -7.4 -99.7 265.78 380 -6.1 -99.8 266.48 381 191 96 -4.9 -99.9 267.19 382 -3.7 -99.9 267.89 383 192 -2.5 -100.0 268.59 384 -1.2 -100.0 269.30 385 193 97 49 25 13 7 0.0 -100.0 270.00 386 1.2 -100.0 270.70 271.41 388 3.7 -99.9 272.11 389 195 98	371	186						-17.1	-98.5	260.16
374 -13.5 -99.1 262.27 375 188 -12.2 -99.2 262.97 376 -11.0 -99.4 263.67 377 189 95 48 -9.8 -99.5 264.38 378 -8.6 -99.6 265.08 379 190 -7.4 -99.7 265.78 380 -6.1 -99.8 266.48 381 191 96 -4.9 -99.9 267.19 382 -3.7 -99.9 267.89 383 192 -2.5 -100.0 268.59 384 -1.2 -100.0 269.30 385 193 97 49 25 13 7 0.0 -100.0 270.00 386 1.2 -100.0 270.70 271.41 388 3.7 -99.9 272.11 389 195 98 4.9 -99.9 272.81 390 6.1 -99.8	372							-15.9	-98.7	260.86
375 188 -12.2 -99.2 262.97 376 -11.0 -99.4 263.67 377 189 95 48 -9.8 -99.5 264.38 378 -8.6 -99.6 265.08 379 190 -7.4 -99.7 265.78 380 -6.1 -99.8 266.48 381 191 96 -4.9 -99.9 267.19 382 -3.7 -99.9 267.89 383 192 -2.5 -100.0 268.59 384 -1.2 -100.0 269.30 385 193 97 49 25 13 7 0.0 -100.0 270.70 387 194 2.5 -100.0 271.41 388 3.7 -99.9 272.11 389 195 98 4.9 -99.9 272.81 390 6.1 -99.8 273.52	373	187	94					-14.7	-98.9	261.56
376 -11.0 -99.4 263.67 377 189 95 48 -9.8 -99.5 264.38 378 -8.6 -99.6 265.08 379 190 -7.4 -99.7 265.78 380 -6.1 -99.8 266.48 381 191 96 -4.9 -99.9 267.19 382 -3.7 -99.9 267.89 383 192 -2.5 -100.0 268.59 384 -1.2 -100.0 269.30 385 193 97 49 25 13 7 0.0 -100.0 270.00 386 1.2 -100.0 270.70 270.70 387 194 2.5 -100.0 271.41 388 3.7 -99.9 272.11 389 195 98 4.9 -99.9 272.81 390 6.1 -99.8 273.52	374							-13.5	-99.1	262.27
377 189 95 48 -9.8 -99.5 264.38 378 -8.6 -99.6 265.08 379 190 -7.4 -99.7 265.78 380 -6.1 -99.8 266.48 381 191 96 -4.9 -99.9 267.19 382 -3.7 -99.9 267.89 383 192 -2.5 -100.0 268.59 384 -1.2 -100.0 269.30 385 193 97 49 25 13 7 0.0 -100.0 270.00 386 1.2 -100.0 270.70 271.41 388 3.7 -99.9 272.11 389 195 98 4.9 -99.9 272.81 390 6.1 -99.8 273.52	375	188						-12.2	-99.2	262.97
378 -8.6 -99.6 265.08 379 190 -7.4 -99.7 265.78 380 -6.1 -99.8 266.48 381 191 96 -4.9 -99.9 267.19 382 -3.7 -99.9 267.89 383 192 -2.5 -100.0 268.59 384 -1.2 -100.0 269.30 385 193 97 49 25 13 7 0.0 -100.0 270.00 386 1.2 -100.0 270.70 387 194 2.5 -100.0 271.41 388 3.7 -99.9 272.11 389 195 98 4.9 -99.9 272.81 390 6.1 -99.8 273.52	376							-11.0	-99.4	263.67
379 190 -7.4 -99.7 265.78 380 -6.1 -99.8 266.48 381 191 96 -4.9 -99.9 267.19 382 -3.7 -99.9 267.89 383 192 -2.5 -100.0 268.59 384 -1.2 -100.0 269.30 385 193 97 49 25 13 7 0.0 -100.0 270.00 386 1.2 -100.0 270.70 387 194 2.5 -100.0 271.41 388 3.7 -99.9 272.11 389 195 98 4.9 -99.9 272.81 390 6.1 -99.8 273.52	377	189	95	48				-9.8	-99.5	264.38
380 -6.1 -99.8 266.48 381 191 96 -4.9 -99.9 267.19 382 -3.7 -99.9 267.89 383 192 -2.5 -100.0 268.59 384 -1.2 -100.0 269.30 385 193 97 49 25 13 7 0.0 -100.0 270.00 386 1.2 -100.0 270.70 270.70 387 194 2.5 -100.0 271.41 388 3.7 -99.9 272.11 389 195 98 4.9 -99.9 272.81 390 6.1 -99.8 273.52	378							-8.6	-99.6	265.08
381 191 96 -4.9 -99.9 267.19 382 -3.7 -99.9 267.89 383 192 -2.5 -100.0 268.59 384 -1.2 -100.0 269.30 385 193 97 49 25 13 7 0.0 -100.0 270.00 386 1.2 -100.0 270.70 387 194 2.5 -100.0 271.41 388 3.7 -99.9 272.11 389 195 98 4.9 -99.9 272.81 390 6.1 -99.8 273.52	379	190						-7.4	-99.7	265.78
382 -3.7 -99.9 267.89 383 192 -2.5 -100.0 268.59 384 -1.2 -100.0 269.30 385 193 97 49 25 13 7 0.0 -100.0 270.00 386 1.2 -100.0 270.70 387 194 2.5 -100.0 271.41 388 3.7 -99.9 272.11 389 195 98 4.9 -99.9 272.81 390 6.1 -99.8 273.52	380							-6.1	-99.8	266.48
383 192 -2.5 -100.0 268.59 384 -1.2 -100.0 269.30 385 193 97 49 25 13 7 0.0 -100.0 270.00 386 1.2 -100.0 270.70 387 194 2.5 -100.0 271.41 388 3.7 -99.9 272.11 389 195 98 4.9 -99.9 272.81 390 6.1 -99.8 273.52	381	191	96					-4.9	-99.9	267.19
384 -1.2 -100.0 269.30 385 193 97 49 25 13 7 0.0 -100.0 270.00 386 1.2 -100.0 270.70 387 194 2.5 -100.0 271.41 388 3.7 -99.9 272.11 389 195 98 4.9 -99.9 272.81 390 6.1 -99.8 273.52	382							-3.7	-99.9	267.89
385 193 97 49 25 13 7 0.0 -100.0 270.00 386 1.2 -100.0 270.70 387 194 2.5 -100.0 271.41 388 3.7 -99.9 272.11 389 195 98 4.9 -99.9 272.81 390 6.1 -99.8 273.52	383	192						-2.5	-100.0	268.59
386 1.2 -100.0 270.70 387 194 2.5 -100.0 271.41 388 3.7 -99.9 272.11 389 195 98 4.9 -99.9 272.81 390 6.1 -99.8 273.52	384							-1.2	-100.0	269.30
387 194 2.5 -100.0 271.41 388 3.7 -99.9 272.11 389 195 98 4.9 -99.9 272.81 390 6.1 -99.8 273.52	385	193	97	49	25	13	7	0.0	-100.0	270.00
388 3.7 -99.9 272.11 389 195 98 4.9 -99.9 272.81 390 6.1 -99.8 273.52	386							1.2	-100.0	270.70
389 195 98 390 4.9 -99.9 272.81 6.1 -99.8 273.52	387	194						2.5	-100.0	271.41
390 6.1 -99.8 273.52	388							3.7	-99.9	272.11
	389	195	98					4.9	-99.9	272.81
391 196	390							6.1	-99.8	273.52
	391	196						7.4	-99.7	274.22

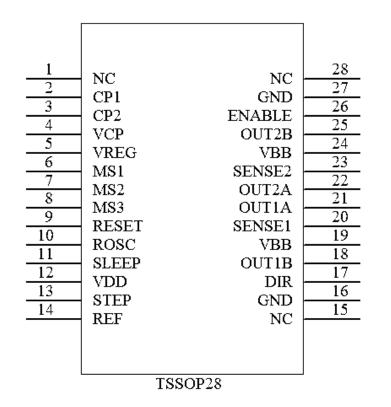
392 8.6 -99.6 274.92 393 197 99 50 9.8 -99.5 275.63 394 111.0 -99.4 276.33 395 198 122 -99.2 277.03 396 13.5 -99.1 277.73 397 199 100 14.7 -98.9 278.44 398 15.9 -98.7 279.14 399 200 17.1 -98.5 279.84 400 101 51 26 19.5 -98.1 281.25 402 20.1 17.1 -98.5 279.84 400 20.7 -97.8 281.95 402 20.1 10.1 51 26 19.5 -98.1 281.25 402 20.7 -97.8 281.95 404 20.7 -97.8 281.95 403 202 21.9 -97.6 282.66 404 <t< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></t<>									
394 198 11.0 -99.4 276.33 395 198 12.2 -99.2 277.03 397 199 100 14.7 -98.9 278.44 398 15.9 -98.7 279.14 400 18.3 -98.3 280.55 401 201 101 51 26 19.5 -98.1 281.25 402 20.7 -97.8 281.95 29.8 29.0 -97.8 281.95 402 20.7 -97.8 281.95 29.0 -97.8 281.95 403 202 21.9 -97.6 282.66 282.66 404 23.1 -97.3 283.36 285.34 405 203 102 24.3 -97.0 284.06 406 25.5 -96.7 284.77 284.77 407 204 26.7 -96.4 285.47 408 27.9 -96.0 286.18 410	392						8.6	-99.6	274.92
395 198 12.2 -99.2 277.03 396 13.5 -99.1 277.73 397 199 100 14.7 -98.9 278.44 398 15.9 -98.7 279.14 399 200 17.1 -98.5 279.84 400 18.3 -98.3 280.55 401 201 101 51 26 19.5 -98.1 281.25 402 20.7 -97.8 281.95 281.95 282.66 403 202 21.9 -97.6 282.66 404 23.1 -97.3 283.36 405 203 102 24.3 -97.0 284.06 406 205 25.5 -96.7 284.77 407 204 26.7 -96.4 285.47 408 27.9 -96.0 286.18 410 30.2 -95.7 286.88 411 206 31.4 -95.0	393	197	99	50			9.8	-99.5	275.63
396 13.5 -99.1 277.73 397 199 100 14.7 -98.9 278.44 398 15.9 -98.7 279.14 399 200 17.1 -98.5 279.84 400 18.3 -98.3 280.55 401 201 101 51 26 19.5 -98.1 281.25 402 20.7 -97.8 281.95 403 202 21.9 -97.6 282.66 404 23.1 -97.3 283.36 405 203 102 24.3 -97.0 284.06 406 25.5 -96.7 284.77 -96.4 285.47 408 27.9 -96.0 286.17 -96.4 285.47 408 27.9 -96.0 286.18 -96.1 288.28 411 206 31.4 -95.0 288.28	394						11.0	-99.4	276.33
397 199 100 14.7 -98.9 278.44 398 15.9 -98.7 279.14 399 200 17.1 -98.5 279.84 400 18.3 -98.3 280.55 401 201 101 51 26 19.5 -98.1 281.25 402 20.7 -97.8 281.95 282.66 404 20.7 -97.8 281.95 403 202 21.9 -97.6 282.66 404 23.1 -97.3 283.36 405 203 102 24.3 -97.0 284.06 26.7 -96.7 284.77 407 204 26.7 -96.7 284.77 407 204 26.7 -96.4 285.47 409 205 103 52 29.0 -95.7 286.88 410 30.2 -95.3 287.58 411 206 31.4 -95.0 288.17 429.1 29.1 411 412 32.5 -94.6	395	198					12.2	-99.2	277.03
398	396						13.5	-99.1	277.73
17.1	397	199	100				14.7	-98.9	278.44
400 18.3 -98.3 280.55 401 201 101 51 26 19.5 -98.1 281.25 402 20.7 -97.8 281.95 281.95 282.66 404 21.9 -97.6 282.66 282.66 283.36 405 203 102 24.3 -97.0 284.06 284.06 24.3 -97.0 284.06 406 25.5 -96.7 284.77 407 204 26.7 -96.4 285.47 408 27.9 -96.0 286.17 408 27.9 -96.0 286.17 408 30.2 -95.3 287.58 410 30.2 -95.3 287.58 411 206 31.4 -95.0 288.28 412 32.5 -94.6 288.98 28.28 412 289.69 414 34.8 -93.7 290.39 291.80 414 34.8 -93.7 290.39 416 37.1 -92.9 291.80 417 417 209 105	398						15.9	-98.7	279.14
401 201 101 51 26 19.5 -98.1 281.25 402 20.7 -97.8 281.95 282.66 403 202 21.9 -97.6 282.66 404 23.1 -97.3 283.36 405 203 102 24.3 -97.0 284.06 406 25.5 -96.7 284.77 407 204 26.7 -96.4 285.47 408 27.9 -96.0 286.17 409 205 103 52 29.0 -95.7 286.88 410 30.2 -95.3 287.58 281.1 411 206 31.4 -95.0 288.28 412 32.5 -94.6 288.98 413 207 104 33.7 -94.2 289.69 414 34.8 -93.7 290.39 415 208 36.0 -93.3 291.09 416 37.1 <td>399</td> <td>200</td> <td></td> <td></td> <td></td> <td></td> <td>17.1</td> <td>-98.5</td> <td>279.84</td>	399	200					17.1	-98.5	279.84
402 20.7 -97.8 281.95 403 202 21.9 -97.6 282.66 404 23.1 -97.3 283.36 405 203 102 24.3 -97.0 284.06 406 25.5 -96.7 284.77 407 204 26.7 -96.4 285.47 408 27.9 -96.0 286.17 409 205 103 52 29.0 -95.7 286.88 410 30.2 -95.3 287.58 411 206 31.4 -95.0 288.28 412 32.5 -94.6 288.98 284.2 289.69 284.6 288.98 413 207 104 33.7 -94.2 289.69 36.0 -93.3 291.09 415 208 36.0 -93.3 291.09 291.80 416 37.1 -92.9 291.80 292.9 291.80 418 39.4 -91.9 <td>400</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>18.3</td> <td>-98.3</td> <td>280.55</td>	400						18.3	-98.3	280.55
403 202 21.9 -97.6 282.66 404 23.1 -97.3 283.36 405 203 102 24.3 -97.0 284.06 406 25.5 -96.7 284.77 407 204 26.7 -96.4 285.47 408 27.9 -96.0 286.17 409 205 103 52 29.0 -95.7 286.88 410 30.2 -95.3 287.58 287.58 411 206 31.4 -95.0 288.28 287.59 2	401	201	101	51	26		19.5	-98.1	281.25
404 23.1 -97.3 283.36 405 203 102 24.3 -97.0 284.06 406 25.5 -96.7 284.77 407 204 26.7 -96.4 285.47 408 27.9 -96.0 286.17 409 205 103 52 29.0 -95.7 286.88 410 30.2 -95.3 287.58 287.58 411 206 31.4 -95.0 288.28 412 32.5 -94.6 288.98 413 207 104 33.7 -94.2 289.69 414 34.8 -93.7 290.39 415 208 36.0 -93.3 291.09 416 37.1 -92.9 291.80 417 209 105 53 27 14 38.3 -92.4 292.50 418 39.4 -91.9 293.20 41.6 -90.9 294.61 <	402						20.7	-97.8	281.95
405 203 102 24.3 -97.0 284.06 406 25.5 -96.7 284.77 407 204 26.7 -96.4 285.47 408 27.9 -96.0 286.17 409 205 103 52 29.0 -95.7 286.88 410 30.2 -95.3 287.58 411 206 31.4 -95.0 288.28 412 32.5 -94.6 288.98 413 207 104 33.7 -94.2 289.69 414 34.8 -93.7 290.39 415 208 36.0 -93.3 291.09 416 37.1 -92.9 291.80 417 209 105 53 27 14 38.3 -92.4 292.50 418 39.4 -91.9 293.20 416 40.5 -91.4 293.91 420 41.6 40.5 -91.4 293.91 </td <td>403</td> <td>202</td> <td></td> <td></td> <td></td> <td></td> <td>21.9</td> <td>-97.6</td> <td>282.66</td>	403	202					21.9	-97.6	282.66
406 204 25.5 -96.7 284.77 407 204 26.7 -96.4 285.47 408 27.9 -96.0 286.17 409 205 103 52 29.0 -95.7 286.88 410 30.2 -95.3 287.58 411 206 31.4 -95.0 288.28 412 32.5 -94.6 288.98 413 207 104 33.7 -94.2 289.69 414 34.8 -93.7 290.39 415 208 36.0 -93.3 291.09 416 37.1 -92.9 291.80 417 209 105 53 27 14 38.3 -92.4 292.50 418 39.4 -91.9 293.20 41.6 -90.9 294.61 420 40.5 -91.4 293.91 420 41.6 -90.9 294.61 422 43.9 -89.9	404						23.1	-97.3	283.36
407 204 26.7 -96.4 285.47 408 27.9 -96.0 286.17 409 205 103 52 29.0 -95.7 286.88 410 30.2 -95.3 287.58 411 206 31.4 -95.0 288.28 412 32.5 -94.6 288.98 413 207 104 33.7 -94.2 289.69 414 34.8 -93.7 290.39 415 208 36.0 -93.3 291.09 416 37.1 -92.9 291.80 417 209 105 53 27 14 38.3 -92.4 292.50 418 39.4 -91.9 293.20 41.6 -90.9 294.61 420 40.5 -91.4 293.91 42.6 42.8 -90.4 295.31 422 43.9 -89.9 296.02 423 43.9 -89.9 296.02	405	203	102				24.3	-97.0	284.06
408 27.9 -96.0 286.17 409 205 103 52 29.0 -95.7 286.88 410 30.2 -95.3 287.58 411 206 31.4 -95.0 288.28 412 32.5 -94.6 288.98 413 207 104 33.7 -94.2 289.69 414 34.8 -93.7 290.39 415 208 36.0 -93.3 291.09 416 37.1 -92.9 291.80 417 209 105 53 27 14 38.3 -92.4 292.50 418 39.4 -91.9 293.20 291.80 40.5 -91.4 293.91 420 40.5 40.5 -91.4 293.91 420 41.6 -90.9 294.61 421 211 106 42.8 -90.4 295.31 422 43.9 48.9 -89.9 296.02	406						25.5	-96.7	284.77
409 205 103 52 29.0 -95.7 286.88 410 30.2 -95.3 287.58 411 206 31.4 -95.0 288.28 412 32.5 -94.6 288.98 413 207 104 33.7 -94.2 289.69 414 34.8 -93.7 290.39 291.99 415 208 36.0 -93.3 291.09 416 37.1 -92.9 291.80 417 209 105 53 27 14 38.3 -92.4 292.50 418 39.4 -91.9 293.20 291.80 293.20 294.61 293.91 420 41.6 -90.9 294.61 293.91 290.02 294.61 293.91 290.02 294.61 293.91 290.02 294.61 293.91 296.02 294.83 296.72 294.61 294.83 296.72 294.61 294.83 296.72 294.61	407	204					26.7	-96.4	285.47
410 30.2 -95.3 287.58 411 206 31.4 -95.0 288.28 412 32.5 -94.6 288.98 413 207 104 33.7 -94.2 289.69 414 34.8 -93.7 290.39 415 208 36.0 -93.3 291.09 416 37.1 -92.9 291.80 417 209 105 53 27 14 38.3 -92.4 292.50 418 39.4 -91.9 293.20 418 39.4 -91.9 293.20 419 210 40.5 -91.4 293.91 420 41.6 -90.9 294.61 42.8 -90.4 295.31 422 43.9 -89.9 296.02 423 422 45.0 -89.3 296.72 424 46.1 -88.8 297.42 425 213 107 54 47.1 -88.2 298.13 426 48.2 -87.6	408						27.9	-96.0	286.17
411 206 31.4 -95.0 288.28 412 32.5 -94.6 288.98 413 207 104 33.7 -94.2 289.69 414 34.8 -93.7 290.39 415 208 36.0 -93.3 291.09 416 37.1 -92.9 291.80 417 209 105 53 27 14 38.3 -92.4 292.50 418 39.4 -91.9 293.20 418 39.4 -91.9 293.20 419 210 40.5 -91.4 293.91 420 41.6 -90.9 294.61 420 41.6 -90.9 294.61 42.8 -90.4 295.31 421 211 106 42.8 -90.4 295.31 422 43.9 -89.9 296.02 423 212 45.0 -89.3 296.72 424 46.1 -88.8 297.42	409	205	103	52			29.0	-95.7	286.88
412 32.5 -94.6 288.98 413 207 104 33.7 -94.2 289.69 414 34.8 -93.7 290.39 415 208 36.0 -93.3 291.09 416 37.1 -92.9 291.80 417 209 105 53 27 14 38.3 -92.4 292.50 418 39.4 -91.9 293.20 419 210 40.5 -91.4 293.91 420 41.6 -90.9 294.61 421 211 106 42.8 -90.4 295.31 422 43.9 -89.9 296.02 423 212 45.0 -89.3 296.72 424 46.1 -88.8 297.42 425 213 107 54 47.1 -88.2 298.13 426 48.2 -87.6 298.83 427 214 49.3 -87.0	410						30.2	-95.3	287.58
413 207 104 33.7 -94.2 289.69 414 34.8 -93.7 290.39 415 208 36.0 -93.3 291.09 416 37.1 -92.9 291.80 417 209 105 53 27 14 38.3 -92.4 292.50 418 39.4 -91.9 293.20 419 210 40.5 -91.4 293.91 420 41.6 -90.9 294.61 292.50 294.61 292.50 421 211 106 42.8 -90.9 294.61 293.91 420 43.9 42.8 -90.4 295.31 295.31 422 43.9 -89.9 296.02 423 212 45.0 -89.3 296.72 294.4 46.1 -88.8 297.42 425 213 107 54 47.1 -88.2 298.13 426 48.2 -87.6 298.83	411	206					31.4	-95.0	288.28
414 34.8 -93.7 290.39 415 208 36.0 -93.3 291.09 416 37.1 -92.9 291.80 417 209 105 53 27 14 38.3 -92.4 292.50 418 39.4 -91.9 293.20 293.20 293.20 40.5 -91.4 293.91 420 40.5 -91.4 293.91 294.61 42.8 -90.4 295.31 421 211 106 42.8 -90.4 295.31 296.02 423 212 43.9 -89.9 296.02 42.4 46.1 -88.8 297.42 424 46.1 -88.8 297.42 425 213 107 54 47.1 -88.2 298.13 426 48.2 -87.6 298.83 427 214 49.3 -87.0 299.53 428 50.4 -86.4 300.23 429 215	412						32.5	-94.6	288.98
415 208 36.0 -93.3 291.09 416 37.1 -92.9 291.80 417 209 105 53 27 14 38.3 -92.4 292.50 418 39.4 -91.9 293.20 291.80 291.90 292.50 418 40.5 -91.4 293.91 293.20 291.80 291.90 293.20 293.20 291.90 293.20 294.61 293.20 294.61 293.31 293.91 294.61 293.31 294.61 295.31 295.31 296.02 294.61 295.31 296.02 296.02 424 46.1 -88.8 297.42 297.42 425 213 107 54 47.1 -88.2 298.	413	207	104				33.7	-94.2	289.69
416 37.1 -92.9 291.80 417 209 105 53 27 14 38.3 -92.4 292.50 418 39.4 -91.9 293.20 419 210 40.5 -91.4 293.91 420 41.6 -90.9 294.61 421 211 106 42.8 -90.4 295.31 422 43.9 -89.9 296.02 423 212 45.0 -89.3 296.72 424 46.1 -88.8 297.42 425 213 107 54 47.1 -88.2 298.13 426 48.2 -87.6 298.83 427 214 49.3 -87.0 299.53 428 50.4 -86.4 300.23 429 215 108 51.4 -85.8 300.94 430 52.5 -85.1 301.64 431 216 53.5 -84.5	414						34.8	-93.7	290.39
417 209 105 53 27 14 38.3 -92.4 292.50 418 39.4 -91.9 293.20 419 210 40.5 -91.4 293.91 420 41.6 -90.9 294.61 421 211 106 42.8 -90.4 295.31 422 43.9 -89.9 296.02 423 212 45.0 -89.3 296.72 424 46.1 -88.8 297.42 425 213 107 54 47.1 -88.2 298.13 426 48.2 -87.6 298.83 427 214 49.3 -87.0 299.53 428 50.4 -86.4 300.23 429 215 108 51.4 -85.8 300.94 430 52.5 -85.1 301.64 431 216 53.5 -84.5 302.34 432 54.5 -83.8	415	208					36.0	-93.3	291.09
418 39.4 -91.9 293.20 419 210 40.5 -91.4 293.91 420 41.6 -90.9 294.61 421 211 106 42.8 -90.4 295.31 422 43.9 -89.9 296.02 423 212 45.0 -89.3 296.72 424 46.1 -88.8 297.42 425 213 107 54 47.1 -88.2 298.13 426 48.2 -87.6 298.83 427 214 49.3 -87.0 299.53 428 50.4 -86.4 300.23 429 215 108 51.4 -85.8 300.94 430 52.5 -85.1 301.64 431 216 53.5 -84.5 302.34 432 54.5 -83.8 303.05 433 217 109 55 28 55.6 -83.1 303.75 <td>416</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>37.1</td> <td>-92.9</td> <td>291.80</td>	416						37.1	-92.9	291.80
419 210 40.5 -91.4 293.91 420 41.6 -90.9 294.61 421 211 106 42.8 -90.4 295.31 422 43.9 -89.9 296.02 423 212 45.0 -89.3 296.72 424 46.1 -88.8 297.42 425 213 107 54 47.1 -88.2 298.13 426 48.2 -87.6 298.83 427 214 49.3 -87.0 299.53 428 50.4 -86.4 300.23 429 215 108 51.4 -85.8 300.94 430 52.5 -85.1 301.64 431 216 53.5 -84.5 302.34 432 54.5 -83.8 303.05 433 217 109 55 28 55.6 -83.1 303.75 434 56.6 -82.5 304.45 <td>417</td> <td>209</td> <td>105</td> <td>53</td> <td>27</td> <td>14</td> <td>38.3</td> <td>-92.4</td> <td>292.50</td>	417	209	105	53	27	14	38.3	-92.4	292.50
420 41.6 -90.9 294.61 421 211 106 42.8 -90.4 295.31 422 43.9 -89.9 296.02 423 212 45.0 -89.3 296.72 424 46.1 -88.8 297.42 425 213 107 54 47.1 -88.2 298.13 426 48.2 -87.6 298.83 427 214 49.3 -87.0 299.53 428 50.4 -86.4 300.23 429 215 108 51.4 -85.8 300.94 430 52.5 -85.1 301.64 431 216 53.5 -84.5 302.34 432 54.5 -83.8 303.05 433 217 109 55 28 55.6 -83.1 303.75 434 56.6 -82.5 304.45	418						39.4	-91.9	293.20
421 211 106 42.8 -90.4 295.31 422 43.9 -89.9 296.02 423 212 45.0 -89.3 296.72 424 46.1 -88.8 297.42 425 213 107 54 47.1 -88.2 298.13 426 48.2 -87.6 298.83 427 214 49.3 -87.0 299.53 428 50.4 -86.4 300.23 429 215 108 51.4 -85.8 300.94 430 52.5 -85.1 301.64 431 216 53.5 -84.5 302.34 432 54.5 -83.8 303.05 433 217 109 55 28 55.6 -83.1 303.75 434 56.6 -82.5 304.45	419	210					40.5	-91.4	293.91
422 43.9 -89.9 296.02 423 212 45.0 -89.3 296.72 424 46.1 -88.8 297.42 425 213 107 54 47.1 -88.2 298.13 426 48.2 -87.6 298.83 427 214 49.3 -87.0 299.53 428 50.4 -86.4 300.23 429 215 108 51.4 -85.8 300.94 430 52.5 -85.1 301.64 431 216 53.5 -84.5 302.34 432 54.5 -83.8 303.05 433 217 109 55 28 55.6 -83.1 303.75 434 56.6 -82.5 304.45	420						41.6	-90.9	294.61
423 212 45.0 -89.3 296.72 424 46.1 -88.8 297.42 425 213 107 54 47.1 -88.2 298.13 426 48.2 -87.6 298.83 427 214 49.3 -87.0 299.53 428 50.4 -86.4 300.23 429 215 108 51.4 -85.8 300.94 430 52.5 -85.1 301.64 431 216 53.5 -84.5 302.34 432 54.5 -83.8 303.05 433 217 109 55 28 55.6 -83.1 303.75 434 56.6 -82.5 304.45	421	211	106				42.8	-90.4	295.31
424 46.1 -88.8 297.42 425 213 107 54 47.1 -88.2 298.13 426 48.2 -87.6 298.83 427 214 49.3 -87.0 299.53 428 50.4 -86.4 300.23 429 215 108 51.4 -85.8 300.94 430 52.5 -85.1 301.64 431 216 53.5 -84.5 302.34 432 54.5 -83.8 303.05 433 217 109 55 28 55.6 -83.1 303.75 434 56.6 -82.5 304.45	422						43.9	-89.9	296.02
425 213 107 54 47.1 -88.2 298.13 426 48.2 -87.6 298.83 427 214 49.3 -87.0 299.53 428 50.4 -86.4 300.23 429 215 108 51.4 -85.8 300.94 430 52.5 -85.1 301.64 431 216 53.5 -84.5 302.34 432 54.5 -83.8 303.05 433 217 109 55 28 55.6 -83.1 303.75 434 56.6 -82.5 304.45	423	212					45.0	-89.3	296.72
426 48.2 -87.6 298.83 427 214 49.3 -87.0 299.53 428 50.4 -86.4 300.23 429 215 108 51.4 -85.8 300.94 430 52.5 -85.1 301.64 431 216 53.5 -84.5 302.34 432 54.5 -83.8 303.05 433 217 109 55 28 55.6 -83.1 303.75 434 56.6 -82.5 304.45	424						46.1	-88.8	297.42
427 214 49.3 -87.0 299.53 428 50.4 -86.4 300.23 429 215 108 51.4 -85.8 300.94 430 52.5 -85.1 301.64 431 216 53.5 -84.5 302.34 432 54.5 -83.8 303.05 433 217 109 55 28 55.6 -83.1 303.75 434 56.6 -82.5 304.45	425	213	107	54			47.1	-88.2	298.13
428 50.4 -86.4 300.23 429 215 108 51.4 -85.8 300.94 430 52.5 -85.1 301.64 431 216 53.5 -84.5 302.34 432 54.5 -83.8 303.05 433 217 109 55 28 55.6 -83.1 303.75 434 56.6 -82.5 304.45	426						48.2	-87.6	298.83
429 215 108 51.4 -85.8 300.94 430 52.5 -85.1 301.64 431 216 53.5 -84.5 302.34 432 54.5 -83.8 303.05 433 217 109 55 28 55.6 -83.1 303.75 434 56.6 -82.5 304.45	427	214					49.3	-87.0	299.53
430 52.5 -85.1 301.64 431 216 53.5 -84.5 302.34 432 54.5 -83.8 303.05 433 217 109 55 28 55.6 -83.1 303.75 434 56.6 -82.5 304.45	428						50.4	-86.4	300.23
431 216 53.5 -84.5 302.34 432 54.5 -83.8 303.05 433 217 109 55 28 55.6 -83.1 303.75 434 56.6 -82.5 304.45	429	215	108				51.4	-85.8	300.94
432 54.5 -83.8 303.05 433 217 109 55 28 55.6 -83.1 303.75 434 56.6 -82.5 304.45	430						52.5	-85.1	301.64
433 217 109 55 28 55.6 -83.1 303.75 434 56.6 -82.5 304.45	431	216					53.5	-84.5	302.34
434 56.6 -82.5 304.45	432						54.5	-83.8	303.05
	433	217	109	55	28		55.6	-83.1	303.75
435 218 57.6 -81.8 305.16	434						56.6	-82.5	304.45
	435	218					57.6	-81.8	305.16

436 8 8 58.6 -81.0 305.86 437 219 110 59.6 -80.3 306.56 438 60.6 -79.6 307.27 440 61.5 -78.8 307.97 440 62.5 -78.1 308.67 441 62.1 62.5 -78.1 308.67 442 64.4 -76.5 310.08 442 66.4 -76.5 310.08 443 222 665.3 -75.7 310.78 444 66.2 -74.9 311.48 445 223 112 662.2 -74.1 312.19 312.19 444 66.2 -74.9 311.48 445 224 69.0 -72.4 313.59 444 224 69.0 -72.4 313.59 448 69.8 -71.6 314.30 449 225 113 57 29 15 8 4 70.7 -70.7 315.00											
438 0 60.6 -79.6 307.27 439 220 61.5 -78.8 307.97 440 62.5 -78.1 308.67 441 221 111 56 63.4 -77.3 309.38 442 64.4 -76.5 310.08 444 66.2 -74.9 311.48 445 223 112 67.2 -74.1 312.19 446 68.1 -73.3 312.89 446 447 224 69.0 -72.4 313.59 448 69.0 -72.4 313.59 315.70 450 72.4 69.8 -71.6 314.30 449 225 113 57 29 15 8 4 70.7 -70.7 315.00 450 71.6 69.8 315.70 315.41 325.20 315.41 325.20 315.41 325.20 317.81 452 453 227 114 74	436								58.6	-81.0	305.86
439 220 61.5 -78.8 307.97 440 62.5 -78.1 308.67 441 221 111 56 63.4 -77.3 309.38 442 64.4 -76.5 310.08 443 222 65.3 -75.7 310.78 444 66.2 -74.9 311.48 445 223 112 67.2 -74.1 312.19 446 68.1 -73.3 312.89 447 224 69.0 -72.4 313.59 448 69.8 -71.6 313.59 448 69.8 -71.6 314.30 449 225 113 57 29 15 8 4 70.7 70.7 315.09 450 7 71.6 -69.8 315.70 315.00 316.41 452 72.4 -69.0 316.41 317.81 453 227 114 74.1 -67.2 317.81 453 <td>437</td> <td>219</td> <td>110</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>59.6</td> <td>-80.3</td> <td>306.56</td>	437	219	110						59.6	-80.3	306.56
440 62.5 -78.1 308.67 441 221 111 56 63.4 -77.3 309.38 442 64.4 -76.5 310.08 443 222 65.3 -75.7 310.78 444 66.2 -74.1 312.19 446 68.1 -73.3 312.89 447 224 69.0 -72.4 313.59 448 69.0 -72.4 313.59 448 70.7 70.7 315.00 450 71.6 -69.8 315.70 451 226 72.4 -69.0 316.41 452 72.4 -69.0 316.41 452 73.3 -68.1 317.11 453 227 114 74.1 -67.2 317.81 454 74.9 -66.2 318.52 318.52 457 229 115 58 75.7 -65.3 319.22 457 229 <td>438</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>60.6</td> <td>-79.6</td> <td>307.27</td>	438								60.6	-79.6	307.27
441 221 111 56 63.4 -77.3 309.38 442 64.4 -76.5 310.08 443 222 65.3 -75.7 310.78 444 66.2 -74.9 311.48 445 223 112 67.2 -74.1 312.19 446 68.1 -73.3 312.89 447 224 69.0 -72.4 313.59 448 69.8 -71.6 314.30 449 225 113 57 29 15 8 4 70.7 -70.7 315.00 450 71.6 -69.8 315.70 315.00 316.41 317.11 451 226 72.4 -69.0 316.41 317.11 453 227 114 74.1 -67.2 317.81 317.11 453 227 114 74.1 -67.2 317.81 312.1 317.81 454 74.9 -66.2 318.52 315.70 453	439	220							61.5	-78.8	307.97
442 64.4 -76.5 310.08 443 222 65.3 -75.7 310.78 444 66.2 -74.9 311.48 445 223 112 67.2 -74.1 312.19 446 68.1 -73.3 312.89 447 224 69.0 -72.4 313.59 448 69.8 -71.6 314.30 449 225 113 57 29 15 8 4 70.7 -70.7 315.00 450 71.6 -69.8 315.70 316.41 452 72.4 -69.0 316.41 317.11 452 72.4 -69.0 316.41 317.11 453 227 114 74.1 -67.2 317.81 453 227 114 74.9 -66.2 318.52 317.81 452 455 228 75.7 -65.3 319.22 456 76.5 -64.4 319.92 457 229 115 58	440								62.5	-78.1	308.67
443 222 65.3 -75.7 310.78 444 66.2 -74.9 311.48 445 223 112 67.2 -74.1 312.19 446 68.1 -73.3 312.89 447 224 69.0 -72.4 313.59 448 69.8 -71.6 314.30 449 225 113 57 29 15 8 4 70.7 -70.7 315.00 450 71.6 -69.8 315.70 316.41 452 72.4 -69.0 316.41 317.11 453 227 114 74.1 -67.2 317.81 454 454 74.9 -66.2 318.52 455 228 75.7 -65.3 319.22 456 76.5 -64.4 319.92 457 229 115 58 77.3 -63.4 320.63 322.73 461 231 16.6 323.33 459 230 78.8 -61.5 322.33	441	221	111	56					63.4	-77.3	309.38
444 66.2 -74.9 311.48 445 223 112 67.2 -74.1 312.19 446 68.1 -73.3 312.89 447 224 69.0 -72.4 313.59 448 69.8 -71.6 314.30 449 225 113 57 29 15 8 4 70.7 -70.7 315.00 450 71.6 -69.8 315.70 316.41 452 72.4 -69.0 316.41 452 73.3 -68.1 317.11 317.11 453 227 114 74.1 -67.2 317.81 454 74.9 -66.2 318.52 455 228 75.7 -65.3 319.22 456 457 -64.4 319.92 457 229 115 58 77.3 -63.4 320.63 319.22 456 457 -65.5 -64.4 319.92 457 229 115 58 77.3 -63.4	442								64.4	-76.5	310.08
445 223 112 67.2 -74.1 312.19 446 68.1 -73.3 312.89 447 224 69.0 -72.4 313.59 448 69.8 -71.6 314.30 449 225 113 57 29 15 8 4 70.7 -70.7 315.00 450 71.6 -69.8 315.70 315.00 316.41 452 315.70 451 226 72.4 -69.0 316.41 452 317.11 453 227 114 74.1 -67.2 317.81 317.11 453 227 114 74.1 -67.2 317.81 454 74.9 -66.2 318.52 455 228 75.7 -65.3 319.22 456 457 229 115 58 77.3 -63.4 320.63 458 458 77.3 -63.4 320.63 458 -61.5 322.03 460 79.6 -60.6 322.73 320.3	443	222							65.3	-75.7	310.78
446 68.1 -73.3 312.89 447 224 69.0 -72.4 313.59 448 69.8 -71.6 314.30 449 225 113 57 29 15 8 4 70.7 -70.7 315.00 450 71.6 -69.8 315.70 315.00 316.41 451 226 72.4 -69.0 316.41 317.11 452 73.3 -68.1 317.11 453 227 114 74.1 -67.2 317.81 454 74.9 -66.2 318.52 455 228 75.7 -65.3 319.22 456 76.5 -64.4 319.92 457 229 115 58 77.3 -63.4 320.63 326.33 458 458 78.1 -62.5 321.33 459 230 78.8 -61.5 322.03 320.33 460 79.6 -60.6 322.73 324.14 462 81.0 -58.6 324.44 323	444								66.2	-74.9	311.48
447 224 69.0 -72.4 313.59 448 69.8 -71.6 314.30 449 225 113 57 29 15 8 4 70.7 -70.7 315.00 450 72.4 -69.8 315.70 315.00 316.41 450 315.70 316.41 452 72.4 -69.0 316.41 317.11 453 227 114 74.1 -67.2 317.81 454 454 74.9 -66.2 318.52 455 228 75.7 -65.3 319.22 456 76.5 -64.4 319.92 457 229 115 58 77.3 -63.4 320.63 318.52 458 78.1 -62.5 321.33 459 230 78.8 -61.5 322.03 320.3 78.8 -61.5 322.03 460 79.6 -60.6 322.73 324.44 462 81.0 -58.6 324.44 463 232 81.8 -57.6 324.84 <td>445</td> <td>223</td> <td>112</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>67.2</td> <td>-74.1</td> <td>312.19</td>	445	223	112						67.2	-74.1	312.19
448 69.8 -71.6 314.30 449 225 113 57 29 15 8 4 70.7 -70.7 315.00 450 71.6 -69.8 315.70 315.00 316.41 452 72.4 -69.0 316.41 317.11 453 227 114 74.1 -67.2 317.81 454 74.9 -66.2 318.52 455 228 75.7 -65.3 319.22 456 76.5 -64.4 319.92 457 229 115 58 77.3 -63.4 320.63 321.33 458 -61.5 321.33 320.63 321.33 469 230 78.8 -61.5 321.33 320.63 322.03 460 79.6 -60.6 322.73 324.4 462 81.0 -58.6 324.14 463 232 81.8 -57.6 324.84 464 82.5 -56.6 325.55 466 323.44 84.5 -53.5 327.66 468	446								68.1	-73.3	312.89
449 225 113 57 29 15 8 4 70.7 -70.7 315.00 450 71.6 -69.8 315.70 316.41 -69.0 316.41 451 226 72.4 -69.0 316.41 317.11 452 73.3 -68.1 317.11 -67.2 317.81 454 74.9 -66.2 318.52 -66.2 318.52 455 228 75.7 -65.3 319.22 -64.4 319.92 457 229 115 58 77.3 -63.4 320.63 -63.4 320.63 458 78.1 -62.5 321.33 -61.5 322.03 -63.4 320.63 323.33 -65.6 321.33 -64.6 322.73 -60.6 322.73 -60.6 322.73 -60.6 322.73 -60.6 322.73 -60.6 322.73 -60.6 323.44 -62.5 321.33 -59.6 323.44 -62.5 321.31 -63.6 <td>447</td> <td>224</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>69.0</td> <td>-72.4</td> <td>313.59</td>	447	224							69.0	-72.4	313.59
450 71.6 -69.8 315.70 451 226 72.4 -69.0 316.41 452 73.3 -68.1 317.11 453 227 114 74.1 -67.2 317.81 454 74.9 -66.2 318.52 455 228 75.7 -65.3 319.22 456 76.5 -64.4 319.92 457 229 115 58 77.3 -63.4 320.63 458 78.1 -62.5 321.33 459 230 78.8 -61.5 322.03 460 79.6 -60.6 322.73 461 231 116 80.3 -59.6 323.44 462 81.0 -58.6 324.14 463 232 81.8 -57.6 325.55 465 233 117 59 30 83.1 -55.6 326.25 466 83.8 -54.5 326.95 <td>448</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>69.8</td> <td>-71.6</td> <td>314.30</td>	448								69.8	-71.6	314.30
451 226 72.4 -69.0 316.41 452 73.3 -68.1 317.11 453 227 114 74.1 -67.2 317.81 454 74.9 -66.2 318.52 455 228 75.7 -65.3 319.22 456 76.5 -64.4 319.92 457 229 115 58 77.3 -63.4 320.63 458 78.1 -62.5 321.33 459 230 78.8 -61.5 322.03 460 79.6 -60.6 322.73 461 231 116 80.3 -59.6 323.44 462 81.0 -58.6 324.14 463 232 81.8 -57.6 325.55 465 233 117 59 30 83.1 -55.6 326.25 466 82.5 -56.6 325.55 326.65 326.25 467 234 <td>449</td> <td>225</td> <td>113</td> <td>57</td> <td>29</td> <td>15</td> <td>8</td> <td>4</td> <td>70.7</td> <td>-70.7</td> <td>315.00</td>	449	225	113	57	29	15	8	4	70.7	-70.7	315.00
452 73.3 -68.1 317.11 453 227 114 74.1 -67.2 317.81 454 74.9 -66.2 318.52 319.22 455 228 75.7 -65.3 319.22 456 76.5 -64.4 319.92 457 229 115 58 77.3 -63.4 320.63 458 78.1 -62.5 321.33 459 230 78.8 -61.5 322.03 460 79.6 -60.6 322.73 461 231 116 80.3 -59.6 323.44 462 81.0 -58.6 324.14 463 232 81.8 -57.6 324.84 464 82.5 -56.6 325.55 465 233 117 59 30 83.1 -55.6 326.25 466 83.8 -54.5 326.95 326.25 326.95 327.66 326.25	450								71.6	-69.8	315.70
453 227 114 74.1 -67.2 317.81 454 74.9 -66.2 318.52 455 228 75.7 -65.3 319.22 456 76.5 -64.4 319.92 457 229 115 58 77.3 -63.4 320.63 458 78.1 -62.5 321.33 459 230 78.8 -61.5 322.03 460 79.6 -60.6 322.73 461 231 116 80.3 -59.6 323.44 462 81.0 -58.6 324.14 463 232 81.8 -57.6 324.84 464 82.5 -56.6 325.55 465 233 117 59 30 83.1 -55.6 326.25 466 83.8 -54.5 326.95 327.66 326.25 467 234 84.5 -53.5 327.66 468 85.1 <td>451</td> <td>226</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>72.4</td> <td>-69.0</td> <td>316.41</td>	451	226							72.4	-69.0	316.41
454 74.9 -66.2 318.52 455 228 75.7 -65.3 319.22 456 76.5 -64.4 319.92 457 229 115 58 77.3 -63.4 320.63 458 78.1 -62.5 321.33 459 230 78.8 -61.5 322.03 460 79.6 -60.6 322.73 461 231 116 80.3 -59.6 323.44 462 81.0 -58.6 324.14 463 232 81.8 -57.6 324.84 464 82.5 -56.6 325.55 465 233 117 59 30 83.1 -55.6 326.25 466 83.8 -54.5 326.95 327.66 326.25 467 234 84.5 -53.5 327.66 468 85.1 -52.5 328.36 469 235 118 85.8 <td>452</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>73.3</td> <td>-68.1</td> <td>317.11</td>	452								73.3	-68.1	317.11
455 228 75.7 -65.3 319.22 456 76.5 -64.4 319.92 457 229 115 58 77.3 -63.4 320.63 458 78.1 -62.5 321.33 459 230 78.8 -61.5 322.03 460 79.6 -60.6 322.73 461 231 116 80.3 -59.6 323.44 462 81.0 -58.6 324.14 463 232 81.8 -57.6 324.84 464 82.5 -56.6 325.55 465 233 117 59 30 83.1 -55.6 326.25 466 83.8 -54.5 326.95 327.66 326.25 326.95 467 234 84.5 -53.5 327.66 328.36 329.06 470 86.4 -50.4 329.77 327.47 327.47 327.47 327.47 327.7 327.25<	453	227	114						74.1	-67.2	317.81
456 76.5 -64.4 319.92 457 229 115 58 77.3 -63.4 320.63 458 78.1 -62.5 321.33 459 230 78.8 -61.5 322.03 460 79.6 -60.6 322.73 461 231 116 80.3 -59.6 323.44 462 81.0 -58.6 324.14 463 232 81.8 -57.6 324.84 464 82.5 -56.6 325.55 465 233 117 59 30 83.1 -55.6 326.25 466 83.8 -54.5 326.95 327.66 326.25 327.66 326.25 467 234 84.5 -53.5 327.66 329.77 327.46 329.77 327.47 329.06 330.47 329.77 330.47 330.47 331.17 331.88 34.6 331.17 331.88 34.6 34.2 331.17	454								74.9	-66.2	318.52
457 229 115 58 77.3 -63.4 320.63 458 78.1 -62.5 321.33 459 230 78.8 -61.5 322.03 460 79.6 -60.6 322.73 461 231 116 80.3 -59.6 323.44 462 81.0 -58.6 324.14 463 232 81.8 -57.6 324.84 464 82.5 -56.6 325.55 465 233 117 59 30 83.1 -55.6 326.25 466 83.8 -54.5 326.95 327.66 326.95 327.66 326.95 327.66 328.36 329.06 329.77 327.47 329.06 329.77 329.06 329.77 331.17 331.88 331.17 331.88 34.74 331.17 331.88 34.74 331.17 331.88 34.74 331.17 331.88 34.74 331.88 34.69 333.28 333.28 <td>455</td> <td>228</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>75.7</td> <td>-65.3</td> <td>319.22</td>	455	228							75.7	-65.3	319.22
458 78.1 -62.5 321.33 459 230 78.8 -61.5 322.03 460 79.6 -60.6 322.73 461 231 116 80.3 -59.6 323.44 462 81.0 -58.6 324.14 463 232 81.8 -57.6 324.84 464 82.5 -56.6 325.55 465 233 117 59 30 83.1 -55.6 326.25 466 83.8 -54.5 326.95 327.66 326.25 327.66 325.55 327.66<	456								76.5	-64.4	319.92
459 230 78.8 -61.5 322.03 460 79.6 -60.6 322.73 461 231 116 80.3 -59.6 323.44 462 81.0 -58.6 324.14 463 232 81.8 -57.6 324.84 464 82.5 -56.6 325.55 465 233 117 59 30 83.1 -55.6 326.25 466 83.8 -54.5 326.95 326.95 327.66 325.55 326.95 327.66 326.95 327.66 326.95 327.66 326.95 327.66 326.95 327.66 326.95 327.66	457	229	115	58					77.3	-63.4	320.63
460 79.6 -60.6 322.73 461 231 116 80.3 -59.6 323.44 462 81.0 -58.6 324.14 463 232 81.8 -57.6 324.84 464 82.5 -56.6 325.55 465 233 117 59 30 83.1 -55.6 326.25 466 83.8 -54.5 326.95 327.66 468 85.1 -52.5 328.36 469 235 118 85.8 -51.4 329.06 470 86.4 -50.4 329.77 471 236 87.0 -49.3 330.47 472 87.6 -48.2 331.17 473 237 119 60 88.2 -47.1 331.88 474 88.8 -46.1 332.58 475 238 89.3 -45.0 333.28 476 90.4 -42.8 334.69<	458								78.1	-62.5	321.33
461 231 116 80.3 -59.6 323.44 462 81.0 -58.6 324.14 463 232 81.8 -57.6 324.84 464 82.5 -56.6 325.55 465 233 117 59 30 83.1 -55.6 326.25 466 83.8 -54.5 326.95 326.95 327.66 326.95 327.66	459	230							78.8	-61.5	322.03
462 81.0 -58.6 324.14 463 232 81.8 -57.6 324.84 464 82.5 -56.6 325.55 465 233 117 59 30 83.1 -55.6 326.25 466 83.8 -54.5 326.95 467 234 84.5 -53.5 327.66 468 85.1 -52.5 328.36 469 235 118 85.8 -51.4 329.06 470 86.4 -50.4 329.77 329.77 471 236 87.0 -49.3 330.47 472 87.6 -48.2 331.17 473 237 119 60 88.2 -47.1 331.88 474 88.8 -46.1 332.58 475 238 89.9 -43.9 333.98 476 90.9 -41.6 335.39	460								79.6	-60.6	322.73
463 232 81.8 -57.6 324.84 464 82.5 -56.6 325.55 465 233 117 59 30 83.1 -55.6 326.25 466 83.8 -54.5 326.95 467 234 84.5 -53.5 327.66 468 85.1 -52.5 328.36 469 235 118 85.8 -51.4 329.06 470 86.4 -50.4 329.77 471 236 87.0 -49.3 330.47 472 87.6 -48.2 331.17 473 237 119 60 88.2 -47.1 331.88 474 88.8 -46.1 332.58 475 238 89.3 -45.0 333.28 476 89.9 -43.9 333.98 477 239 120 90.4 -42.8 334.69 478 90.9 -41.6 335.39 <td>461</td> <td>231</td> <td>116</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>80.3</td> <td>-59.6</td> <td>323.44</td>	461	231	116						80.3	-59.6	323.44
464 82.5 -56.6 325.55 465 233 117 59 30 83.1 -55.6 326.25 466 83.8 -54.5 326.95 326.95 327.66 327.66 326.95 327.66 327.66 327.66 327.66 327.66 327.66 327.66 327.66 327.66 327.66 327.66 327.66 327.66 327.66 327.66 327.66 3	462								81.0	-58.6	324.14
465 233 117 59 30 83.1 -55.6 326.25 466 83.8 -54.5 326.95 467 234 84.5 -53.5 327.66 468 85.1 -52.5 328.36 469 235 118 85.8 -51.4 329.06 470 86.4 -50.4 329.77 471 236 87.0 -49.3 330.47 472 87.6 -48.2 331.17 473 237 119 60 88.2 -47.1 331.88 474 88.8 -46.1 332.58 475 238 89.3 -45.0 333.28 476 89.9 -43.9 333.98 477 239 120 90.4 -42.8 334.69 478 90.9 -41.6 335.39	463	232							81.8	-57.6	324.84
466 83.8 -54.5 326.95 467 234 84.5 -53.5 327.66 468 85.1 -52.5 328.36 469 235 118 85.8 -51.4 329.06 470 86.4 -50.4 329.77 329.77 327 471 236 87.0 -49.3 330.47 330.47 472 87.6 -48.2 331.17 331.88 474 88.8 -46.1 332.58 475 238 89.3 -45.0 333.28 476 89.9 -43.9 333.98 477 239 120 90.4 -42.8 334.69 478 90.9 -41.6 335.39	464								82.5	-56.6	325.55
467 234 84.5 -53.5 327.66 468 85.1 -52.5 328.36 469 235 118 85.8 -51.4 329.06 470 86.4 -50.4 329.77 471 236 87.0 -49.3 330.47 472 87.6 -48.2 331.17 473 237 119 60 88.2 -47.1 331.88 474 88.8 -46.1 332.58 475 238 89.3 -45.0 333.28 476 89.9 -43.9 333.98 477 239 120 90.4 -42.8 334.69 478 90.9 -41.6 335.39	465	233	117	59	30				83.1	-55.6	326.25
468 85.1 -52.5 328.36 469 235 118 85.8 -51.4 329.06 470 86.4 -50.4 329.77 471 236 87.0 -49.3 330.47 472 87.6 -48.2 331.17 473 237 119 60 88.2 -47.1 331.88 474 88.8 -46.1 332.58 475 238 89.3 -45.0 333.28 476 89.9 -43.9 333.98 477 239 120 90.4 -42.8 334.69 478 90.9 -41.6 335.39	466								83.8	-54.5	326.95
469 235 118 85.8 -51.4 329.06 470 86.4 -50.4 329.77 471 236 87.0 -49.3 330.47 472 87.6 -48.2 331.17 473 237 119 60 88.2 -47.1 331.88 474 88.8 -46.1 332.58 475 238 89.3 -45.0 333.28 476 89.9 -43.9 333.98 477 239 120 90.4 -42.8 334.69 478 90.9 -41.6 335.39	467	234							84.5	-53.5	327.66
470 86.4 -50.4 329.77 471 236 87.0 -49.3 330.47 472 87.6 -48.2 331.17 473 237 119 60 88.2 -47.1 331.88 474 88.8 -46.1 332.58 475 238 89.3 -45.0 333.28 476 89.9 -43.9 333.98 477 239 120 90.4 -42.8 334.69 478 90.9 -41.6 335.39	468								85.1	-52.5	328.36
471 236 87.0 -49.3 330.47 472 87.6 -48.2 331.17 473 237 119 60 88.2 -47.1 331.88 474 88.8 -46.1 332.58 475 238 89.3 -45.0 333.28 476 89.9 -43.9 333.98 477 239 120 90.4 -42.8 334.69 478 90.9 -41.6 335.39	469	235	118						85.8	-51.4	329.06
472 87.6 -48.2 331.17 473 237 119 60 88.2 -47.1 331.88 474 88.8 -46.1 332.58 475 238 89.3 -45.0 333.28 476 89.9 -43.9 333.98 477 239 120 90.4 -42.8 334.69 478 90.9 -41.6 335.39	470								86.4	-50.4	329.77
473 237 119 60 88.2 -47.1 331.88 474 88.8 -46.1 332.58 475 238 89.3 -45.0 333.28 476 89.9 -43.9 333.98 477 239 120 90.4 -42.8 334.69 478 90.9 -41.6 335.39	471	236							87.0	-49.3	330.47
474 88.8 -46.1 332.58 475 238 89.3 -45.0 333.28 476 89.9 -43.9 333.98 477 239 120 90.4 -42.8 334.69 478 90.9 -41.6 335.39	472								87.6	-48.2	331.17
475 238 89.3 -45.0 333.28 476 89.9 -43.9 333.98 477 239 120 90.4 -42.8 334.69 478 90.9 -41.6 335.39	473	237	119	60					88.2	-47.1	331.88
476 89.9 -43.9 333.98 477 239 120 90.4 -42.8 334.69 478 90.9 -41.6 335.39	474								88.8	-46.1	332.58
477 239 120 90.4 -42.8 334.69 478 90.9 -41.6 335.39	475	238							89.3	-45.0	333.28
478 90.9 -41.6 335.39	476								89.9	-43.9	333.98
	477	239	120						90.4	-42.8	334.69
479 240 91.4 -40.5 336.09	478								90.9	-41.6	335.39
	479	240							91.4	-40.5	336.09

内置转换器和过流保护的微特步进电机驱动芯片

480						91.9	-39.4	336.80
481	241	121	61	31	16	92.4	-38.3	337.50
482						92.9	-37.1	338.20
483	242					93.3	-36.0	338.91
484						93.7	-34.8	339.61
485	243	122				94.2	-33.7	340.31
486						94.6	-32.5	341.02
487	244					95.0	-31.4	341.72
488						95.3	-30.2	342.42
489	245	123	62			95.7	-29.0	343.13
490						96.0	-27.9	343.83
491	246					96.4	-26.7	344.53
492						96.7	-25.5	345.23
493	247	124				97.0	-24.3	345.94
494						97.3	-23.1	346.64
495	248					97.6	-21.9	347.34
496						97.8	-20.7	348.05
497	249	125	63	32		98.1	-19.5	348.75
498						98.3	-18.3	349.45
499	250					98.5	-17.1	350.16
500						98.7	-15.9	350.86
501	251	126				98.9	-14.7	351.56
502						99.1	-13.5	352.27
503	252					99.2	-12.2	352.97
504						99.4	-11.0	353.67
505	253	127	64			99.5	-9.8	354.38
506						99.6	-8.6	355.08
507	254					99.7	-7.4	355.78
508						99.8	-6.1	356.48
509	255	128				99.9	-4.9	357.19
510						99.9	-3.7	357.89
511	256					100.0	-2.5	358.59
512						100.0	-1.2	359.30



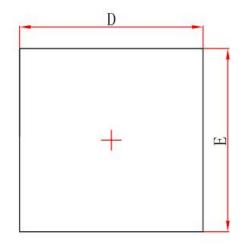


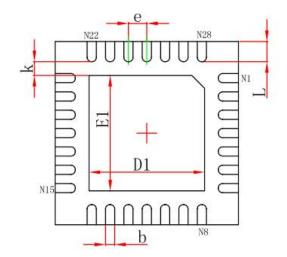
Terminal List Table

QFN28	TSSOP28		Pin Description
4	2	CP1	Charge pump capacitor terminal
5	3	CP2	Charge pump capacitor terminal
6	4	VCP	Reservoir capacitor terminal
8	5	VREG	Regulator decoupling terminal
9	6	MS1	Logic input
10	7	MS2	Logic input
11	8	MS3	Logic input
12	9	\RESET	Logic input
13	10	ROSC	Timing set
14	11	\SLEEP	Logic input
15	12	VDD	Logic supply
16	13	STEP	Logic input
17	14	REF	Gm reference voltage input
3,18	16,27	GND	Ground*
19	17	DIR	Logic input
21	18	OUT1B	DMOS Full Bridge 1 Output B
22	19	VBB1	Load supply
23	20	SENSE1	Sense resistor terminal for Bridge 1
24	21	OUT1A	DMOS Full Bridge 1 Output A
26	22	OUT2A	DMOS Full Bridge 2 Output A
27	23	SENSE2	Sense resistor terminal for Bridge 2
28	24	VBB2	Load supply
1	25	OUT2B	DMOS Full Bridge 2 Output B
2	26	\ENABLE	Logic input
7,20,25	1,15,28	NC	No connection
-	_	PAD	Exposed pad for enhanced thermal dissipation*

^{*}The GND pins must be tied together externally by connecting to the PAD ground plane under the device.

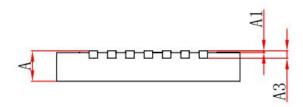
QFN28-5*5 with exposed thermal pad





Top View

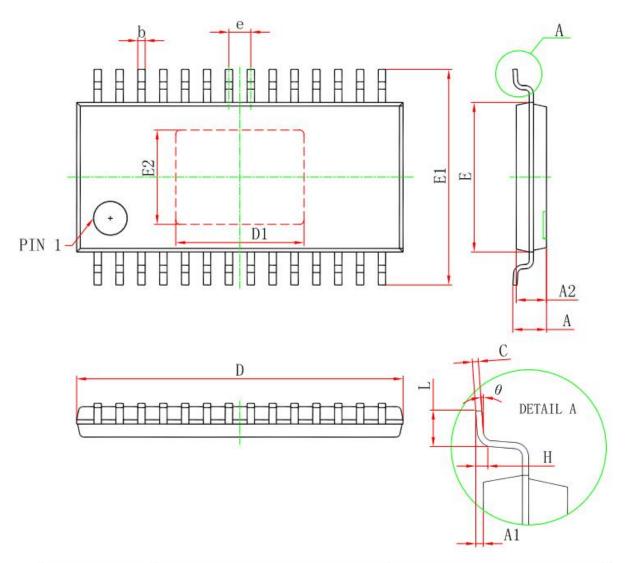
Bottom View



Side View

C) made of	Dimensions I	n Millimeters	Dimension	s In Inches
Symbol	Min.	Max.	Min.	Max.
Α	0.700/0.800	0.800/0.900	0.028/0.031	0.031/0.035
A1	0.000	0.050	0.000	0.002
A3	0.203	REF.	0.008	REF.
D	4.900	5.100	0.193	0.201
E	4.900	5.100	0.193	0.201
D1	3.050	3.250	0.120	0.128
E1	3.050	3.250	0.120	0.128
k	0.200	OMIN.	0.008	BMIN.
b	0.180	0.300	0.007	0.012
е	0.500	TYP.	0.020	TYP.
L	0.450	0.650	0.018	0.026

TSSOP 28 with exposed thermal pad



c 1 1	Dimensions I	n Millimeters	Dimension	s In Inches
Symbol	Min	Max	Min	Max
D	9.600	9.800	0.378	0.386
D1	3.710	3.910	0.146	0.154
E	4. 300	4. 500	0.169	0.177
b	0.190	0.300	0.007	0.012
С	0. 090	0.200	0.004	0.008
E1	6.250	6. 550	0.246	0. 258
E2	2.700	2.900	0.106	0.122
Α		1. 100		0.043
A2	0.800	1.000	0.031	0.039
A1	0.020	0. 150	0.001	0.006
e	0.65	(BSC)	0.026	(BSC)
L	0.500	0.700	0.02	0.028
Н	0.25(TYP)	0.01	TYP)
θ	1 °	7°	1°	7°